

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re:
Message-ID: <9507271647.AA08513@bock.ih.att.com>

Re Regens -- I heard taht those new car locks that "yoop" when you press the "key" use super-regen rcvrs. They must have a fancy code on the modulation, tho. Anybody with a new car care to tell us what the range of those "keyless keys" is? I cna never remember where I left my car in these big lots, and used to dream of building a little cigarette-pack sized xmtr that would put out about 25 MHz to a rcvr in mycar wired to the horn relay. 73, mike k

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Hal R. Waite" <halwaite@netcom.com>
Subject: Re: 50 YEAR PLUS RUN OF QST - ANY IDEA OF THAT IT WOULD BE WORTH?????
Message-ID: <Pine.SUN.3.91.950726214235.11208A-100000@netcom2>

On Wed, 26 Jul 1995, Tony Stalls (K4KY0) wrote:

> On Wed, 26 Jul 1995 jeffrey@math.hawaii.edu wrote:
>
> > I always hate to see a collection like this given/sold to an
> > individual - I'll always suggest they be donated to either
> > a public or college library so that a large number of people
> > over a long period of time can utilize them. An individual
> > will place them on a shelf to collect dust.
>
> Jeff,
>
> I agree with the spirit of what you say, but there's one flaw. I have
> several friends who are librarians and they all tell me the same thing.
> Old magazines take up too much space, so they say thanks to the donors and
> toss them out the back door. When they do retain them, they're the first
> to go when they make room for more hardbacks.
>
> Tony
> K4KY0

Tony is absolutely right. I have seen many valuable references thrown out in an arbitrary manner by the branch or, in some cases, head librarian. Libraries have now become public centers for art and entertainment instead of a repository for books.

The same may be said of museums with great caches of archeological finds

that are in permanent storage and will never be adequately cataloged or displayed to the public.

Hal K4GFI/7 Las Vegas Life is too short for CW.

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: Re: 50 YEAR PLUS RUN OF QST - ANY IDEA OF THAT IT WOULD BE WORTH?????
Message-ID: <Pine.SUN.3.91.950726191103.3128A-100000@kahuna>

Reading old QSTs from microfiche just won't be the same - I'll surely miss the musty smell, the coffee stains, and the splotches of solder rosin...

Jeff NH6IL

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Grant Youngman <gyoungma@jaws.gtetel.com>
Subject: Re: 50 YEAR PLUS RUN OF QST - ANY IDEA OF THAT IT WOULD BE WORTH?????
Message-ID: <Chameleon.950727074443.grant@nq5t.gtetel.com>

On Thu, 27 Jul 1995 00:21:08 -0500 (CDT) Jeffrey Herman wrote:
>Reading old QSTs from microfiche just won't be the same - I'll surely
>miss the musty smell, the coffee stains, and the splotches of solder
>rosin...
>

.. and finding new and unique ways to keep those darn back covers from falling off :-)

Grant Youngman NQ5T

gyoungma@gtetel.com
us007699@interramp.com

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: 50 YEAR PLUS RUN OF QST - ANY IDEA OF THAT IT WOULD BE WORTH?????
Message-ID: <Pine.SOL.3.91.950727090110.16535B-100000@clark.net>

On Thu, 27 Jul 1995, Jeffrey Herman wrote:

> Reading old QSTs from microfiche just won't be the same - I'll surely
> miss the musty smell, the coffee stains, and the splotches of solder
> rosin...

Well, maybe the new generation of libraries can put the microfiche reader
in the multimedia section where you can read them in VR, complete with
all those effects. ;-)

Hal Waite had a good point. Libraries are too full of videotapes and
other such nonsense to make room for anything like old QST's.

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: John Shriver <jas@shiva.com>
Subject: Re: 50 YEAR PLUS RUN OF QST - ANY IDEA OF THAT IT WOULD BE WORTH?????
Message-ID: <199507271418.KAA18428@shiva-dev.shiva.com>

Yes, libraries are very picky these days. Most donations go to the
next fund-raising book sale. Shelf space is very expensive.

Here in Boston, even MIT does not deign to have a QST collection. Too
low-brow for them.

However, the Boston Public Library does have a fine set of it.
However, that's one of the best libraries in the country, so one is
not surprised.

On the other hand, MIT has just about anything the IRE, IEEE, and
predecessory organizations ever published, back to before the turn of
the century.

MIT's collection of Radio & Television News has missing and vandalized
issues. I've thought of buying them the issues they need to fix it
up, but I doubt that they could afford to do the repairs to the bound
volumes. Still, they might store them in a box on the shelf next to
the bound volumes.

It's not clear that MIT even has the time and money to even repair torn pages anymore. All thanks to the publicity-hungry Senators and Representatives in DC who think that Universities should not be allowed to charge any library costs as overhead on contracts!

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: David Moody <MOODY@Admin.Rose-Hulman.Edu>
Subject: Re: 50 YEAR PLUS RUN OF QST - ANY IDEA OF THAT IT WOULD BE WORTH?????
Message-ID: <01HTCZNNYIL48Y4WPY@Admin.Rose-Hulman.Edu>

>I always hate to see a collection like this given/sold to an
>individual - I'll always suggest they be donated to either
>a public or college library so that a large number of people
>over a long period of time can utilize them. An individual
>will place them on a shelf to collect dust.

I agree with this statement for the most part, but I have seen libraries that will clean out (read send to the dumpster) old magazine stacks to make room. This seems to occur more often in small town libraries and small or specialized college libraries. I obtained a collection of old Radio-Electronics mag when a library that I will not name decided that since they weren't subscribing to it anymore, they would place the stack on the freebie pile. I've also seen old radio and electronics books go this same route. I obtained a 1966 ARRL Handbook this way. It makes me sick to wonder how many real treasures went this same route, or worse.

73, David Moody, KD8NY

David A. Moody | E-mail: David.Moody@Rose-Hulman.edu
Admin. Programmer/Analyst | Finger: mgrdam@crux.Rose-Hulman.edu
Rose-Hulman Inst. of Tech. | Amateur Call: KD8NY (CW QRP) ex-WB9MMD
Terre Haute, IN USA 47803 | (VMS Rules!!! (but RSTS was fun.))
Wk Ph: 812.877.8183

Any facts expressed within belong to everybody.
Any opinions expressed within are my own and are not
necessarily the same as my employer, family, friends, etc.
It is up to you to know the difference.

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: JosephWP@aol.com
Subject: 6L6Gs
Message-ID: <950727144712_124343063@aol.com>

I need a couple of 6L6Gs for the ATD I just bought (though unused, someone apparently decided to 'borrow' two of these tubes.

Anyone have a source that is not outrageously priced?

Joseph Pinner
201 Ruthwood Drive
Lafayette, LA 70503
KC5IJD
josephwp@aol.com

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: SP600@aol.com
Subject: Re: 6L6Gs
Message-ID: <950727175422_42251117@aol.com>

You can try TYPETRONICS its listed as \$ 9.00 @. I have ordered few time and has good prices. Hope this helps.

Charlie N9SOR

TYPETRONICS
FRED G SCHMIDT N4TT
P.O. BOX 8873
FT. LAUDERDALE, FL 33310
PHONE 305-583-1340
FAX 305-791-8337

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: SP600@aol.com
Subject: Re: 6L6Gs
Message-ID: <950727191844_124542599@aol.com>

I hope this doesn't get listed twice had a phone line problem the first time.

The following prices are from TYPETRONICS:

6L6	\$ 9.00
6L6GB	\$ 9.00
6L6WGB	\$ 9.00
6L6GC	\$ 12.00

I have ordered from them before good prices.

TYPETRONICS
FRED G SCHMIDT N4TT
P.O. BOX 8873
FT. LAUDERDALE, FL 33310
VOICE 305-583-1340
FAX 305-791-8337

Hope this helps!

Charlie N9SOR

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncrsun1.ncr.usace.army.mil>
Subject: A QTH list (call for info)
Message-ID: <Pine.SUN.3.91.950727160826.15792D-100000@ncrsun1>

Okay, enough people were interested and sent me their QTH
information, so here is the call to all on the list:

I will try building a list organized by state and city
indicating where each of you are located for purposes of
facilitating FS/WTB exchanges and eyeball QSOs of BA radios.
This is entirely voluntary, so you must reply with info.
I will NOT consult callbook servers, although that is considered
public information. Please respond directly to me
(anderson@ncrsun1.ncr.usace.army.mil) with:

Name:
Ham Call (if you have one):
Preferred e-mail address:
QTH City/State:
If "suburb", also nearby bigger city:

Again, this is entirely voluntary, as such information
may be deemed private to some members on this list.

Thanks. Cheers/73. Kevin, KB9IUA

Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil

Opinions expressed here are my own and do not represent the
U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: "Aaron J. Grier" <agrier@reed.edu>
Subject: Adventures in HW-101
Message-ID: <Pine.NXT.3.91.950727135109.208440-1000000@nexttues.reed.edu>

<ahhhhh> That felt good.

Yesterday afternoon / night I finally got sick and tired of having a semi-working rig, so I pulled out the manual, my soldering iron, my new Fluke 11 DMM, and decided I'd fix the S-meter. I don't have a car, which makes it hard to go shopping for parts. I looked through my feeble supply of resistors, and came up with four 100k 1/4 watt resistors. (I've been looking for bits for a while, now. It's just hard to get out to the stores without a car.) Knowing our buddy Ohm's law, I figured I could fudge a 1/2 watt resistor by doing a series/parallel resistor twist & solder. So I did. The S-meter came back. (Hurray!) This is a hack, but at least it let me continue with alignment and the like. (Which I did, of course.)

Thank goodness for the crystal calibrator. That's going to be my key to troubleshooting the beastie. (The alignment procedure sure makes a lot of use of it.) I was able to get the VFO lined up nicely, which is good, because it was totally knackered before. However, even after going through the alignment procedure, and tweaking pots, (which is quite fun, if I say so myself,) most signals are still very weak. The manual says with the calibrator on, (which spews forth 100MHz + mass amounts of harmonics,) I should be getting a reading on my S-meter of 20db over S9, or more down at 3500MHz. I'm getting only about S9. :(Up at 29.5Mhz, the S-meter barely budges. Recieving normal signals yeilds the same results. 40 & 80m come in OK, a little on the quiet side, but workable. The further up the band I go, the weaker the signals get. The schematic I've got for the thing is really fuzzy, (Heath's fault,) so I'm still trying to figure out exactly where the xtal calibrator sticks its signal into the receiving chain.

I'm prone to think that the two 6AU6s used in the IF amplifier are kind of weak. The filaments in the IF tubes in the thing are run in a series-parallel configuration with the pilot lights, and I originally tried to get the radio to work with only one pilot light, and even then, the wrong kind. I replaced the bulbs with the right kind, and things didn't really get much better. Can wrong filament voltages wreak havoc with tubes?

<sigh> Fun things to do tonight. :) At least I got my antenna up. I figure I'll cut it down to 15m and work CW there. (Right now it's cut for 40. A little short, but I ran out of wire.)

And finally, I plan on using CW as my main mode when I get my rig up and running. I'm sad to see so many people poo-pooing it as some out-dated thing that only OMs use. Last night I was able to catch some QSOs at what I would guess to be around 20wpm, curled up on my futon, and fell asleep to the dits and dahs coming over the speaker. Occasionally I'd copy the odd character here or there, but I ended up falling asleep to a fading signal. :) Gotta love that code. Can't wait to polish up my J-38 and get myself on the air.

The Finn / VLA | "Feel the love: have a carrot!" -- Groovy Dave
Aaron J. Grier | DE CB EE 65 0D EE 3A 0C 1E D7 F5 4D 9E 02 3C C4
agrier@reed.edu | The above line contains a bunch of letters & numbers.

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: AN/URR504 Receiver
Message-ID: <v02110105ac3da741fc3f@[140.243.30.128]>

Jerry Proc recently wrote:

>plotted by the Communists in the 1950's. They infiltrated the AN/nomenclature
>system and created these mysteries knowing full well that there would be a
>group of 'radio archaeologists' on the Internet in the 1990's trying to rack
>their brains out figuring out why a certain change was made.

What with all this recent talk of dumpster-diving and scavenging from about-to-be-demolished structures, perhaps the list should apply to be chartered as a branch of the American Society of Industrial Archeology :-)

Seriously, is anyone aware of any professional industrial archeological work being done in the area of studying and documenting pre-solid-state electronic technology? I understand the work that Jerry is doing on the HMCS Haida; is there other scholarly activity? Is there a professional journal? Could I get a Doctorate in Boatanchors? :-)

Regards,
-Steve

Steve Byan
Hitachi Computer Products (America), Inc.

internet: steve@hi.com

1601 Trapelo Road
Waltham, MA 02154

phone: (617) 890-0444
FAX: (617) 890-4998

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: "Barry L. Ornitz" <ornitz@EMNGW1.emn.com>
Subject: Bakelite
Message-ID: <Pine.ULT.3.91.950727131304.4078B@dua150.kpt.emn.com>

On Wed, 26 Jul 1995, David W. Barts wrote:

> I don't know the order in which all the words developed, but Bakelite
> (note the capitalization) is a trademark for a certain manufacturer's
> brand of a phenol-formaldehyde polymer. The name honors the chemist
> (Dr. Leo Hendrik Baekeland) It was one of the earliest plastics to be
> discovered, I think it was #2; celluliod (a nitrocellulose-camphor
> polymer) was the first plastic. (Maybe Barry Ornitz can offer further
> clarification on this.)
>
> Ping-pong balls are a common celluloid item; try lighting one on fire
> (be careful!) to find out why celluliod is not used more commonly.

I believe David is entirely correct on this. I think Bakelite was the first commercial plastic to be made by polymerizing materials into a long-chain structure. Celluloid or collodion is made from a natural polymer, cellulose, that has been nitrated to increase its solubility. The camphor is there as a plasticizer.

I am not sure if ping-pong balls are made of celluloid today, but nitrocellulose lacquers are still used to coat billiard balls. The degree of nitration of celluloid is less than that of nitrocellulose used as the propellant in ammunition, but it is still extremely flammable. In fact, early movie film used a nitrocellulose base. In the late 1920's Kodak switched to cellulose acetate to make the so-called safety film to get away the extreme flammability problem. Part of the reason Kodak created Tennessee Eastman Company was to produce cellulose acetates. Even though Eastman Chemical Company, which Tennessee Eastman grew into, is no longer a part of Kodak, cellulose acetate is still one of our largest products. Today, the major use of cellulose acetate is in filter tow, the filter material in filter cigarettes. It is also used as a plastic (eyeglass frames, Craftsman screwdriver handles) and as a fiber.

Phenolic plastics are thermosets and are fully cross-linked. If anyone ever asks you to show them a single molecule, point to a piece of unfilled phenolic plastic. Every atom of carbon, hydrogen, and oxygen in the phenolic is connected!

73, Barry WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Re: Bakelite
Message-ID: <199507271811.LAA15729@hobbes.UCSC.EDU>

Barry Ornitz sez:

Today, the major use of cellulose acetate is in filter tow, the filter material in filter cigarettes.

Awww, I thought they used asbestos in that application :-)

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: Bakelite sheet stock
Message-ID: <9507261617.AA08059@bock.ih.att.com>

Slate front panels? OK, but don't get mad and pound your fist on it, or your whole radio might shatter. Wonder how they drilled and cut holes in the stuff back then, before carbide drills? Diamond-dust tipped, maybe?

This reminds me of the other panel in breadboarding. On my National Browning-Drake BC set that someone built from the kit long ago (complete with matching cabinet but missing its lid), this anonymous builder covered the chassis board with nice green felt before mounting the components. Pretty, buyt a bugger to clean up.

[If you don't know why sheet slate reminds me of green felt, you misspent too much of your youth tinkering with radios :-)]

BTW, someone mentioned varnishing the chassis plank before building. I agree, but my collection of early '20s sets shows that nobody did this. The boards have become pretty dusty and grimy. I'm tempted to unscrew every part on the board, and literally slide the board out from under the radio, clean and sand it, apply light varnish, and put it back. Given the square bus-bar wiring, those parts would just hang there while this was going on...

I don't recall seeing any bradboard Ham gear, just BC stuff, tho with really old stuff you may get LW and some SW range thrown in. 73, mike k w9nrd

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995

From: Michael.J.Knudsen@att.com
Subject: Re: Bakelite sheet stock
Message-ID: <9507271632.AA08470@bock.ih.att.com>

Another version of "bakelite" was "Condensite", invented by Thomas Edison for making DIamond Disk records. It was a phenol, and chemically very similar to Bakelite. Good hard stuff -- thsoe records will stand a lot of plays before wearing.

We don't think of Tom as a Chem E, but his plant was supplying all the other US makers with phenol for a while. 73, mike k

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: ac082@freenet.carleton.ca (Charles Hunter)
Subject: BAs in QST
Message-ID: <199507270704.DAA17992@freenet3.carleton.ca>

There's another article on BA's in the Aug 95 issue of QST called:
"Bring 'em Back Alive" on page 49.

Going back through some of the back issues on loan from a Ham friend, I have discovered a lot of material on BA's and the manufacturers, particularly between 1990-1995.

73's
Charlie

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: BAs in QST
Message-ID: <Pine.SOL.3.91.950727090642.16535C-1000000@clark.net>

On Thu, 27 Jul 1995, Charles Hunter wrote:

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> "Bring 'em Back Alive" on page 49.
>
> Going back through some of the back issues on loan from a Ham friend, I
> have discovered a lot of material on BA's and the manufacturers,
> particularly between 1990-1995.

That reminds me of a suggestion I made that QST include a vintage radio section a year or so ago. QST's editor Mark Wilson (AA2Z) poo-poo'd the idea. However, I'm just one person and unless it coincides with his thoughts, it probably doesn't mean much. I am fairly certain that he would be responsive to what the readers want and I beleive there are enough of us out here to influence him. If you want to see more boatanchor related articles, send Mark an e-mail (or snail mail might be better) and tell him how much you have enjoyed them. You might add that you would enjoy seeing them as a regualr feature. His address is <mwilson@arrl.org>.

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Jack Taylor <n7oo@hereford.ampr.org>
Subject: Re: BAs in QST
Message-ID: <199507271658.LAA21402@uro.theporch.com>

At 08:16 AM 7/27/95 -0500, Tony Stalls (K4KY0) wrote:

>
>
>On Thu, 27 Jul 1995, Charles Hunter wrote:
>
>> There's another article on BA's in the Aug 95 issue of QST called:
>> "Bring 'em Back Alive" on page 49.
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>> have discovered a lot of material on BA's and the manufacturers,
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>section a year or so ago. QST's editor Mark Wilson (AA2Z) poo-poo'd the
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>thoughts, it probably doesn't mean much. I am fairly certain that he
>would be responsive to what the readers want and I beleive there are
>enough of us out here to influence him. If you want to see more
>boatanchor related articles, send Mark an e-mail (or snail mail might be
>better) and tell him how much you have enjoyed them. You might add that
>you would enjoy seeing them as a regualr feature. His address is
><mwilson@arrl.org>.
>

While it's nice to see publicity on a facet of ham radio we all enjoy, perhaps the question should be asked: "Do we REALLY want more publicity?" Seems like when there's favorable publicity on a particular piece of BA gear, the price goes through an inordinate jump. For example, the old weary SP-600. Even in top shape, these are in no-way worth more than an

equivalent R-390A!

I listen to the west coast 40 meter swap nets occasionally and have been known to actually fall off my chair when sellers announce their asking prices on old BA gear! Apparently it's too late and the word is out that BA gear is "valuable", but unless you have a warehouse full of old gear and are waiting to cash in, do we *really* want more BA publicity?

73 de Jack

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: "James T Hanlon" <jthanlo@jade.imdi.sandia.gov>
Subject: RE: BAs in QST
Message-ID: <9506278068.AA806884675@jade.imdi.sandia.gov>

Jack Taylor brought up the problem of BA's being driven up in price by feature articles in QST. An example of that happening is the Heath AT-1. Until it was the subject of a QST article, you could find them for reasonable prices. But QST pronounced them as "valuable" and now they are offered for a hundred bucks or more.

Maybe we should send QST an article on how to build your own BA from parts you can find at the hamfest. Say like some of the receiving tube transmitters guys have been talking about.

73,

Jim, W8KGI

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Robert2039@aol.com
Subject: CB recycling
Message-ID: <950727120946_42009074@aol.com>

In a message dated 95-07-27 02:58:14 EDT, you write:

>
>I recently picked up a ``Swan'' Siltronix CB vfo that had a magnificent
>5/25:1 dual reduction drive on it. It will find its way into my next
>vfo project --- E.O. Seiler/W8PK's stable Lo-C vfo, from QST,
>November, 1941, page 26. (Does the name look familiar....hint, hint.)
>
>See.... there is good that can come from CB --- recycling parts!

>Tip for the day for BA projects!

>

>

Didn't know Swan made CB VFO's. Thought those things were illegal on Childrens Band! Lately I ignore CB radio's. Not many worth stripping for parts. My Johnson Viking Messenger sits unmodified on a shelf now since people tell me it's a "rare collectable". Of course I've never really been fond of CB anyhow. But I will keep this one.

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995

From: rdkeys@unity.ncsu.edu

Subject: Re: CB recycling

Message-ID: <199507271732.NAA25862@cc01du.unity.ncsu.edu>

> >I recently picked up a ``Swan'' Siltronix CB vfo that had a magnificent

> >5/25:1 dual reduction drive on it. It will find its way into my next

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> parts. My Johnson Viking Messenger sits unmodified on a shelf now since people

> tell me it's a "rare collectable". Of course I've never really been fond of

> CB anyhow. But I will keep this one.

I think they were made by Swan or a subsidiary company towards the end.

Someone correct me on this. They sure look exactly like Swan, to me.

Anyway, if you can find them, they make GREAT vfo or regennie boxes, and have a magnificent dual reduction drive mechanism and a pretty good tuning capacitor. The box is heavy copperclad steel with an aluminum front panel. The dial can be cleaned to remove the CB markings with a good fresh clean pencil eraser, to leave just the main scale marking.

Bob

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995

From: Jeffrey Herman <jeffrey@math.hawaii.edu>

Subject: Re: CB recycling

Message-ID: <Pine.SUN.3.91.950727083036.4495A-100000@kahuna>

>>I recently picked up a ``Swan'' Siltronix CB vfo that had a magnificent

>>5/25:1 dual reduction drive on it.

> Didn't know Swan made CB VFO's. Thought those things were illegal on
> Childrens Band!

That VFO might have been from the days when 11M was still a ham
band. We lost 11m back in 1959??

Jeff NH6IL (ex WA6QIJ)

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Re: CB recycling
Message-ID: <Pine.3.89.9507271135.A6793-0100000@netcom16>

>
> That VFO might have been from the days when 11M was still a ham
> band. We lost 11m back in 1959??
>
Yeah, but we picked up 15 meters.

73
Paul WA6OKQ

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: CB recycling
Message-ID: <Pine.SOL.3.91.950727153455.21282M-100000@clark.net>

On Thu, 27 Jul 1995, Jeffrey Herman wrote:

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> >>5/25:1 dual reduction drive on it.
>
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> > Childrens Band!
>
> That VFO might have been from the days when 11M was still a ham
> band. We lost 11m back in 1959??

I think it was in 1958 that Rosemary's Baby (CB) was born. Swan didn't
exist then. I don't think they came along until around 1960 or so.

We all got CB licenses back then so they couldn't "take our band away".
Mine was 6W6997. I guess that makes me eligible for the (Shudder!) QCCBA.

73,
TOny
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Robert2039@aol.com
Subject: COLENRAD, When did it end?
Message-ID: <950727002744_41698037@aol.com>

I've got a late 50's possibly very early 60's Moterola console stereo with those markings on it. Console has a factory installed multiplex adapter for FM stereo. Took some work to fix up though. This one does not have built in TV. Rebuild amplifier (had no output but tubes lit.) realign AM/FM tuner then finally replaced worn out turntable moter after some searching. No, This wasn't a BA just something that was left on my doorstep. I guess somebody saw me doing my weekly street scrounging for discarded tube radio's! Don't find that many but every 3 or 4 months what I run across gets sold at my local antique radio club. Mostly it's those all american 5's but every now and then I find something like a Philco 60. My question is when did they stop putting COLENRAD markings on the radio's?

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: "Dick Dillman" <ddillman@igc.apc.org>
Subject: Demise of Morse
Message-ID: <44963.ddillman@igc.apc.org>

It's hard to take these continuing notices of Morse being phased out. Now it's MARS that's hangin' up the key.

There's one use of Morse I myself witnessed that was phased out about 10 or so years ago that nobody's mentioned.

Time was that the FCC office here in San Francisco was located in the marble and gilt federal building on Battery St., as all such important agencies should be. Somewhere behind those polished hardwood doors with frosted glass and shining brass knobs... somewhere way back in there was - the *Engineer In Charge*. A fedora wearin', cigar chompin' radioman of the old school who caused squeaky-voiced teenagers there to take their ham test to quake in their boots in awe.

I was there to take my commercial radiotelegraph test, which gave me just a

bit of a leg up over the prospective hams (but caused me to remember when I was in their place at the federal building in New York).

As we sat there - silently - in the waiting room, waiting to be called for testing, I began to hear Morse. It wasn't coming from the test room and it was only occasional two or three letter groups. I stepped out to the front counter on some excuse or other and noticed it was coming from speakers up by the ceiling. And I noticed further that there was a straight key next to the receptionist's phone. Now this was getting good. I fumbled and mumbled until the next call came in. It was answered in the usual manner but, when the caller had been put on hold, the receptionist tapped out the callee's initials on the Morse key! How civilized. No blaring "Mr. Waple, call line three!" No, just a few subtle tones did the job. Nice fist, too.

I suppose the days when we could demand that a receptionist know the code are long gone, even if Morse itself were still alive.

But I've just realized as I type that this system revealed something deep and important about the men behind the frosted doors. Clearly, this whole system, from the idea to the installation to its use, must have been home-grown. These very important and imposing men must have loved radio and the code as much as we do, way deep in their hearts, to have come up with such an idea and put it into practice.

Best Regards,

Dick Dillman/WPE2VT
<ddillman@igc.apc.org>
San Francisco

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Demise of Morse
Message-ID: <Pine.SOL.3.91.950727120354.19393B-100000@clark.net>

On Thu, 27 Jul 1995, Dick Dillman wrote:

> It's hard to take these continuing notices of Morse being phased out. Now
> it's MARS that's hangin' up the key.

Not only is it being phased out, the message dictates a PROHIBITION from using code. After more than 30 years as a MARS member, part of which was spent as a CW NCS, I am not amused and am considering resigning effective the date of the prohibition.

> There's one use of Morse I myself witnessed that was phased out about 10 or
> so years ago that nobody's mentioned.

>

> Time was that the FCC office here in San Francisco was located in the
> marble and gilt federal building on Battery St., as all such important
> agencies should be. Somewhere behind those polished hardwood doors with
> frosted glass and shining brass knobs... somewhere way back in there was -
> the *Engineer In Charge*. A fedora wearin', cigar chompin' radioman of the
> old school who caused squeaky-voiced teenagers there to take their ham test
> to quake in their boots in awe.

>

> I was there to take my commercial radiotelegraph test, which gave me just a
> bit of a leg up over the prospective hams (but caused me to remember when I
> was in their place at the federal building in New York).

>

> As we sat there - silently - in the waiting room, waiting to be called for
> testing, I began to hear Morse. It wasn't coming from the test room and it
> was only occasional two or three letter groups. I stepped out to the front
> counter on some excuse or other and noticed it was coming from speakers up
> by the ceiling. And I noticed further that there was a straight key next
> to the receptionist's phone. Now this was getting good. I fumbled and
> mumbled until the next call came in. It was answered in the usual manner
> but, when the caller had been put on hold, the receptionist tapped out the
> callee's initials on the Morse key! How civilized. No blaring "Mr. Waple,
> call line three!" No, just a few subtle tones did the job. Nice fist, too.

>

> I suppose the days when we could demand that a receptionist know the code
> are long gone, even if Morse itself were still alive.

Commission field personnel used to be required to pass a 20 WPM code test
as a condition of employment. They're probably only required to have a
pulse now, if that. (ME??? Cynical??? Naaaaah...)

> But I've just realized as I type that this system revealed something deep
> and important about the men behind the frosted doors. Clearly, this whole
> system, from the idea to the installation to its use, must have been
> home-grown. These very important and imposing men must have loved radio
> and the code as much as we do, way deep in their hearts, to have come up
> with such an idea and put it into practice.

And they're probably gone forever. Only folks like those who dwell
amongst the boatanchors appreciate the importance of preserving radio
traditions. The new breed are too fat on the Pabulum of instant
gratification to even know what tradition is!

ZUT!!!!

73,
Tony
K4KY0

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: Demise of Morse
Message-ID: <199507271714.NAA24840@cc01du.unity.ncsu.edu>

>
> And they're probably gone forever. Only folks like those who dwell
> amongst the boatanchors appreciate the importance of preserving radio
> traditions. The new breed are too fat on the Pablum of instant
> gratification to even know what tradition is!

Amen on that one.

Although I play with the instant Pablum gratification stuff every day for a living, it sure eases the mindset to ease back in the ol' hardbottom wood chair with a cup o' mud, the ``latest'' QST where ``The Old Man'' is taking off on one of his tirades and epistles to the young squirt, dial up 600 meters in the background, with WLO and the latest Offshore Waters Forecast on the side, then roll up on 7020 for some rattle 'n bang with the boys 'n gals at speed. It is better than a shot of Geritol, and definitely keeps the ol' grey matters find tuned.

Although my time will fade into the final watch, and maybe some of the ancient arts and crafts and skills along with the tradition, they's gonna have to pry de o' rusty bug outta my fingers when it's time. By then the instant Pablum gratification crowd won't even know what it is, and even less how to make it work.

I guess the young squirts with too much instant Pablum gratification at 1 gigabit, will never appreciate the ability to sit back and relax.....

Ahhhhhhhh.....(:+}}.....!

> ZUT!!!!

Most Definitely --- ZUT OM , and a fine ``Howdy Do'' to all those gracious OM's/OW's/YL's who've pounded a mighty mean brass since the watch began.....

> 73,
> Tony
> K4KY0

73 VA
DE NA4G/Bob

p.s. I will run the CWIST Friday Night Fist Function again at 0200 utc
29 Jul 95 on 7027khz, 0300utc on 3527khz, 0400utc on 3702R5, and
especially for Dave Stinson with his BC-375, at 0500utc on 3527khz.
I will even try to get mine back up on the bench for that one!
Dave --- let me know if you can make it at that time.

So, all you grand CW men (and women)..... fire up them thar
firebottles, an' polish up yer brass.....(:+}}.....

SEE U THEN VA
DE NA4G

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: Grant Youngman <gyoungma@jaws.gtetel.com>
Subject: Re: Demise of Morse
Message-ID: <Chameleon.950727125803.grant@nq5t.gtetel.com>

The new breed are too fat on the Pablum of instant
>gratification to even know what tradition is!
>

Bought this neat'o radio called an HRO-60. I've been searching all through it
to find the right green wire to cut to get aircraft and cellular band
reception, but can't find it ANYWHERE! I cut the ones I found, but they just
made the radio go dead. (It was real tough getting those ends all twisted
back together again).

Sure think all those knobs are pretty, too. Tried a switch marked "AVC" or
something the other day -- turned it to 'off', but all the signals got real
loud and distorted. So I just turned it back to where it was, and decided not
to worry about it. Guess it didn't mean Aircraft Voice Channel like the guy
who sold me this radio said.

I wonder why they put that little drawer there in front. Heck, there's no
room to store anything in it, anyway. Seems kind of silly to me.

I hooked it up to my Radio Shack discone, but couldn't hear a whole lot.
Maybe the radio just isn't as good as the guy said. I might try plugging
transistors into those big sockets in there and see if it works any better.
Probably something's wrong because all those funny black things plugged in
those spots now get real hot so I think there might be a short somewhere.

Grant Youngman NQ5T :-)

gyoungma@gtetel.com
us007699@interramp.com

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: paul Veltman <veltman@netcom.com>
Subject: Re: Demise of Morse
Message-ID: <Pine.3.89.9507271122.A6793-01000000@netcom16>

> Time was that the FCC office here in San Francisco was located in the
> marble and gilt federal building on Battery St., as all such important
> agencies should be. Somewhere behind those polished hardwood doors with
> frosted glass and shining brass knobs... somewhere way back in there was -
> the *Engineer In Charge*. A fedora wearin', cigar chompin' radioman of the
> old school who caused squeaky-voiced teenagers there to take their ham test
> to quake in their boots in awe.

>

I remember that guy. He'd crank up the code machine and let it rip.
When I was a kid and went in for my ham test, he said that we'd take a
practice run, so we'd loose our nervousness. After this practice run, he
told us to take up a couple of minutes to clean up our copy and turn it in.
Yeah, he scared the wits out of the teenagers, but he was a first class
radioman.

73

Paul WA6OKQ

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: Re: Demise of Morse
Message-ID: <Pine.SUN.3.91.950727084758.4495B-100000@kahuna>

I took my General exam in that San Francisco FCC office in 1976 and
fondly remember the secretary tapping out in Morse the telephone messages
to the other staff. It sure was reassuring to be able to copy what she
was sending!

After taking the code test I recall the examiner ordering us to
immediately lay down our pencils - make no corrections. As he searched

my paper looking for one-minute error-free copy I felt as if time was standing still - I think I had stopped breathing! When he was done counting all he did was smile - that's all I needed to "hear" - I wanted to shout with joy!

I treated myself to a wonderful lunch at Fisherman's Wharf. What a highlight in my life that day was.

Jeff NH6IL (ex WA6QIJ)

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)
Subject: Re: Demise of Morse
Message-ID: <9507271927.AA22386@speckle.ncsl.nist.gov>

Grant Youngman wrote:

>

>Bought this neat'o radio called an HRO-60. I've been searching all through it
>to find the right green wire to cut to get aircraft and cellular band
>reception, but can't find it ANYWHERE!

That's a SECRET MOD known only to a few of us. Just WHO "us" is is also secret, so if you let this out, I'll have to send the hit man.

If you send the radio to me, I will transform it into a truly modern device, and return it to you. Among the many, many benefits of the conversion I have been secretly trained to do are:

- Greatly reduced size and weight. (It will be smaller than a breadbox and weigh less.)

- No heat generation. All heat-producing contaminated parts will be removed.

- Digital display. The foreign-looking, obsolete, UNcool moving pointer frequency indicator will be replaced with a modern, efficient, chick-impressing digital window.

- Freedom from dependency on wall power. Your newly-transformed radio will work in your van, in a low-rider car, at the beach, at a rave, or ANYWHERE, with no power cord.

- Discone compatibililty. Your local Radio Shack Technical Representative will be able to show you many other antennas which will run well with your newly transformed radio. And here's a little-known secret: if you hook up only ONE wire from those highly-engineered antennas, they might work even BETTER.

So, DO NOT DELAY! Pack up your obsolete, UN-cool HRO-60, with all those little useless box-shaped thingeys, and ship it all to me. (The parts I don't use in your new radio will feel right at home next to my HRO-60.)

(From the secret lab of R. Morgan, K1LKY, who is in the midst of coaxing the last microvolt sensitivity out of an HRO-60T.)

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: mallick@orion.crd.ge.com (John Mallick)
Subject: Re: Demise of Morse
Message-ID: <9507271928.AA20866@orion.crd.ge.com>

I remember taking my General test in the old Federal building in NYC back in '65. Creepy old building with high ceilings and dim lights. The code machine had these really big tubes in it with a couple of reels of paper tape sitting next to it. Each exam table was equipped with a set of magnetic headphones and a straight key. The only excitement came during the CW portion of the test when a ship leaving NY harbor started blowing its whistle; now that's QRM! After passing the receiving test, we all had to send a bit for the Engineer in Charge (tm). After I sent a bit of the copy he handed me, he commented "nice fist" and moved on. It made a teenager feel proud. After finishing the written portion (and passing!), my dad and I wandered over to Harrison ("Ham Headquarters") on Chambers St. where I could ogle (but not buy) all that neat-o equipment before heading to Grand Central Station to catch the train back to Connecticut.

Ah, the memories...

73, John WA1HNL

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: Demise of Morse
Message-ID: <Pine.SOL.3.91.950727162857.1687A-100000@clark.net>

On Thu, 27 Jul 1995, John Mallick wrote:

> I remember taking my General test in the old Federal building in NYC
> back in '65. Creepy old building with high ceilings and dim lights.
> The code machine had these really big tubes in it with a couple of
> reels of paper tape sitting next to it. Each exam table was equipped
> with a set of magnetic headphones and a straight key.

I lived in Nashville at the time I went for my General Class in 1957 and the FCC examiner only came around once per month. The test was given in the post office on Broad Street, one of those massive WPA projects, and there were no headphones supplied. It echoed like the test was being given in a cave. They used a red colored tape recorder rather than a code machine and they didn't furnish headphones, although there was a cable you could plug into. Having been warned, I did have my cans (that's "radio talk") with me and managed to hear it OK, although the echoing was a bit of a distraction.

School poicy was to give us the day off to take FCC tests, so needless to say, our little gang always went. Being a hot-s**t CW man (self appointed), I took the Extra test in 1958 and copied it solid. I was so full of myself when the examiner picked up the page, and unlike the time I took the General when he counted the letters, just looked at it and handed me the written test. My little pals still going for their Generals were impressed. You can imagine how deflated I was when I looked at the test and realized that I didn't have a snowball's chance in hell of passing it. (It was a killer and was meant to be. It was reputed to be the toughest they Commission gave back then, including the Commercial tickets.) I didn't tell then and was a hero for a day. At least I got the day off.

> Ah, the memories...

Ain't it the truth!

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: KS0F@aol.com
Subject: Re: Demise of Morse
Message-ID: <950727164135_42199793@aol.com>

I ran into this same guy back in 59 when I was 13 but he was in St. Louis, Mo at the Federal Bldg.

73 de KS0F Mike

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: "S. Miller" <smiller@motown.ge.com>
Subject: Dumpster pickings: need docs
Message-ID: <199507271504.LAA07611@bear.MOTOWN.GE.COM>

Well, on my work Monday I spied a lonely chassis sitting by the trash of one house on main street. It had the requisite firebottles attached so naturally I stopped. Once I got the grunge/rust/slime off it I realized I had found a Dynaco PS-70 power amplifier. So now I have a real tuber audio amp to provide high fidelity audio for my R390A. Does anyone have any documentation for this amp? You can reach me

at smiller@motown.ge.com . You probably will not get an immediate reply as I am on vacation after tomorrow.

Thanks

Steve Kd2Ed

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: rmccarty@netcom.com (roger mccarty)
Subject: Face Plate Corrosion, Help!
Message-ID: <199507271431.HAA16101@netcom20.netcom.com>

Need a Miracle guys!

Is there a way to remove corrosion from a face plate without removing the lettering? The corrosion I have is a raised surface "Pit" for lack of better words. It appears that the metal is being corroded away from below the surface and "pushing" out to the surface. I hope I am explaining this adequately. Any body have any luck with this type of problem?

Thanks

Roger KD6CC

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: Nick England <nick@cs.unc.edu>
Subject: fall of civilization
Message-ID: <199507271920.PAA07167@altair.cs.unc.edu>

from a 1958 rag-chew on the "boatanchors" AM net:

I honestly don't know what the world is coming to - all these new-fangled

hams getting on the air without knowing a dang thing about Real Ham Radio. These guys are just appliance operators for the most part and just destroying the tradition of ham radio - I mean, what challenge is there to going down to the local store and buying an ART-13 or ARC-5 and just hooking the wires together to get on the air - Real Hams don't cheat like that.

But at least they have to hook up a power supply (big deal) for all those popular surplus rigs. What do they do for a receiver ?!?!? For Pete's sake they just go out and buy a Hallicrafters or Hammarlund or National receiver. Hardest part they got to figure out is which terminal is for the antenna and which is for the speaker. I ask you, what kinda ham radio is that?

And what the heck is Art Collins up to - flushing ham radio right down the tubes by catering to appliance operators !! I tell you the this Iowa-nese invasion is the death knell of ham radio as we know it! Damn corn-boxes, I call 'em !!

And the ones that claim they really are "building their own gear" - do you know what those whipper-snappers are really doing ? Sending away good money to Heath and Johnson and Knight and getting back a box of all the RIGHT parts - no scrounging and no substituting. Heck these things even include all the sheet metal - no need for the ole Greenlee punches. And they get directions! Not just a schematic - no sir that'd strain their little brains. They got books with little check marks for "cut a red wire to exactly 2" and solder to pin 3 of V-7". Sheesh, they probably don't even know whether pin 3 of V-7 is the grid or the cathode !!

I guess these new hams are just too hung up on Instant Gratification to pay attention to Tradition and build their own rigs from scratch! Harrumph! Somebody ought to spend a little time with these newcomers and straighten 'em out !

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: Jeffrey Herman <jeffrey@math.hawaii.edu>
Subject: Favorite tube?
Message-ID: <Pine.SUN.3.91.950727135538.5343A-100000@kahuna>

Gang,
What's you favorite choice for a final P.A. for 20 and 40 meters providing about 25W output? (By favorite I mean cheap and readily available ;)

Jeff NH6IL

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: jproc@worldlinux.com
Subject: Re: Free RTTY gear
Message-ID: <Chameleon.4.01.2.950726222444.jproc@>

Gary,

Some comments about your RTTY post.

1) Be on the lookout for the International RTTY contest. Lot's of Baudot there. You will be surprised as to what you can copy. During one RTTY contest, I briefly copyied an Italian station on the Model 15 Teletype. It was a thrill to see this antique gear in action and receiving data from the other side of the world.

2) When W1AW does the daily RTTY run, Baudot code is sent for the first twenty minutes then they send ASCII for about 5-10 minutes. - See the schedule in QST. When I monitored them more regurarily, my Model 15 would actually speed up when W1AW switched from Baudot to 110 baud ASCII, but all it did of course, was spew out garbage.

3) Somebody passed on a book to me. Its called 'The RTTY Listener' by Fred Osterman at: United Radio Research
1280 Aida Dr.
Renoldsburg Ohio 43068

You may want to write to Fred to see what's happening on the RTTY scene. I can't say for sure if this is still a valid address. The major problem with trying to operate a teletype these days is that we have all been spoiled rotten with fast, noiseless, reliable computers plus packet, AMTOR, the Internet etc... Trying to pawn off a teletype on someone nowadays is akin to that old adage 'its a child with a face that only a mother could love'. On the other hand, when you demonstrate a Teletype, people are impressed with the 'slowness' of the machine when its operating. I have a lot of fun showing off this slowness to our visitors from time to time.

Because teletypes weigh so much (105 pounds for the Model 15), shipping them anywhere is usually out of the question so it becomes an issue of local disposal. Sad to say, but that's life. BTW, Model 15 Teletypes cost around \$5,000 when they were in the zenith of their production in the 1940's & 50's. 1995 value = \$0

Regards,

Jerry Proc VE3FAB

E-mail: jproc@worldlinx.com
Radio Restoration Volunteer
HMCS Haida Toronto, Ontario

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Joe Spencer <jspencer@metronet.com>
Subject: Re: Free RTTY gear
Message-ID: <Pine.HPP.3.90.950727081309.20573A-100000@fohnix.metronet.com>

Mike, I don't know what they are worth but I would love to find someone local giving the old teletype equipment away! I worked for Teletype in '69 and '70 and even did some of the pilot work on the model 35. Worked with every model (12,15,28,35,Inktronic etc) Really had a great time there but the military came along and I never got back there. Wish I had been a HAM then. Oh well... Good luck whatever you decide.
73, Joe

Joe Spencer KK5NA . .
jspencer@metronet.com
QRP ARCI-8781 NORCAL-1179 NORTEX-112
Arlington, TX

On Wed, 26 Jul 1995 Michael.J.Knudsen@att.com wrote:

> So what value is real TTY gear these days? I have a 35 and a matching reperf,
> both working, I'd love to give away. Or should I try to put them on
> the air? 73, mike k w9nrd
>

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: "Kenan, Larry" <llk@sandshark.sandiegoca.ATTGIS.COM>
Subject: Re: Free RTTY gear
Message-ID: <3017B583@sharkgate.sandiegoca.attgis.com>

>>So what value is real TTY gear these days? I have a 35 and a matching reperf,
>>both working, I'd love to give away. Or should I try to put them on
>>the air? 73, mike k w9nrd
>>

>

>The market price of most Teletype machines these days is \$0. Those
>that have them are usually glad to have someone haul them away.

I'll bet that in 10 years we will be fighting to get these and willing to pay exorbitant prices.

I used a model 15 as the console on my first homebrew computer. The early microprocessor systems generally used an ASCII Teletype model 33 and the going price was about \$600 for a used one. They were about \$1500 new. I decided to go with the Baudot machine because they were cheap with little surplus market demand for them except for Ham radio. I bought mine for \$35 and sold it a few years later for the same price. It served me well.

Larry Kenan - K06SM

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995

From: Michael.J.Knudsen@att.com

Subject: Re: Free RTTY gear

Message-ID: <9507271624.AA08445@bock.ih.att.com>

No, the 35 is the straight 110-baud ASCII unit, with the flying typebox. The 33 is the el cheapo version with the cylindrical type "ball." I had one of those that sorta worked, but after I got tired of setting off M-60s inside it I pitched it in the garbage.

Haven't heard of a dual-mode machine, that would be tough to build. There's also a Model 37, a souped-up 35 that does lower case too.

Agree about the 28 lasting forever. Mine was set up for 60 WPM, and it was funny to watch that hi-speed Mod-35 technology poke along at 6 chars/second or whatever. Sorry I sold it off. It was a console pedestal model with a built-in WE modem. Talk about a BA modem -- this thing had big WE tubes with 25V filaments.

I have a home-brewed, then trashed and rescued, SS TU with a couple of toroidal inductors. It worekd great on 850, until one day an inductor broke while I was tweaking its tuning. Oops, those weren't toroids, but WE's closed-cup ferrite units with the tuning slug with a triangular hole. Still have the special WE tool for tuning those.

Lucky the 28 had its own floor pedestal, since you couldn't put a TTY on the table with the HQ129X. I tried that with a 15 and the poor rx just made Irish pennywhistle music out of the RTTY. Probably would get away with an R390A, tho :-)

Anyway I flogged some green keys up at my grad school club station, and would love to try it again someday.

As for using the 110 Baud ASCII unit on a computer TU, I dunno, for as big as that thing is I might just use my computer dot-matrix printer (those will be antiques in a couple more years :-(73, mike k w9nrd

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: Jack Taylor <n7oo@hereford.ampr.org>
Subject: Re: Free RTTY gear
Message-ID: <199507271752.MAA25210@uro.theporch.com>

At 11:42 AM 7/27/95 -0500, Michael.J.Knudsen@att.com wrote:
>No, the 35 is the straight 110-baud ASCII unit, with the flying typebox.
>The 33 is the el cheapo version with the cylindrical type "ball." I had
>one of those that sorta worked, but after I got tired of setting off
>M-60s inside it I pitched it in the garbage.
>
>Haven't heard of a dual-mode machine, that would be tough to build.
>There's also a Model 37, a souped-up 35 that does lower case too.

OK, it's the model 37 ASR that I was thinking of. Believe it did both ascii and baudot, an interesting machine. The military version was AN/UGC-110.

Speaking of model 28's, I had a couple of prototypes that had "X" designations on them and that were made in 1939! This was back in the '60s when Ray Morrisson had developed a system using the model 28 stuntbox to drive braille punches to print out the characters. Ray furnished his system to a local sightless ham in Bakersfield and asked that I set it up and fine-tune it for him. The local had a CE-200 transmitter with a stable receiver equipted with an audible tuner for RTTY and Ray's scheme worked quite well. We had very little trouble with it and of course, the sightless ham was delighted.

Ray hauled out a couple of the bare M-28 prototypes from Chicago, that he'd obtained from a scrap yard and I was able to get one of em operational. This was in the days when M-28s were highly prized by the RTTYers and all but the most major of overhauls were worth the effort. At 60 WPM the M-28 will last a LONG time and one can almost follow the tracking of the faster mechanicals. At 100 WPM the motion is mostly a blur and of course, the wear increases.

The main advantages of the M-28 over the M-15 was the automatic LF and CR function which prevented over-typing at the end of a line when that function was missed due to static or a fade, etc. The M-28 stunt-box feature (which could be set up to trigger switches on designated characters) was an

advantage which allowed rudimentary remote control functions to be performed. For instance an NCS could poll other M-28 stations on a network for traffic by sending a unique sequence which could turn on a transmitter and a TD loaded with a message tape.

73 de Jack

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: JosephWP@aol.com
Subject: Re: Free RTTY gear
Message-ID: <950727145707_124350440@aol.com>

Any on you remember the Mite teleprinters made during the late 60s / early 70s (think this time frame is correct)?

I still have one. They did not pan out in the military, but I sure love mine. As I recall, Mite was a sewing machine company that decided to cash in on 'lucrative' military contracts. Did not quite work out that way.

Joseph Pinner
KC5IJD
josephwp@aol.com

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: "Aaron J. Grier" <agrier@reed.edu>
Subject: Re: Free RTTY gear
Message-ID: <Pine.NXT.3.91.950727121448.20844K-1000000@nexttues.reed.edu>

Wowie.

I'm so excited about all this stuff... I just hope that by the time I get my own place, RTTY will still be around. :P (I don't know about carrying a model 35 down a flight of stairs to my basement... Not to mention the landlady probably wouldn't like the noise much.)

The Finn / VLA		"Feel the love: have a carrot!" -- Groovy Dave
Aaron J. Grier		DE CB EE 65 0D EE 3A 0C 1E D7 F5 4D 9E 02 3C C4
agrier@reed.edu		The above line contains a bunch of letters & numbers.

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995

From: rdkeys@unity.ncsu.edu
Subject: Re: Free RTTY gear
Message-ID: <199507271914.PAA02293@cc01du.unity.ncsu.edu>

> Any on you remember the Mite teleprinters made during the late 60s / early
> 70s (think this time frame is correct)?
>
> I still have one. They did not pan out in the military, but I sure love mine.
> As I recall, Mite was a sewing machine company that decided to cash in on
> 'lucrative' military contracts. Did not quite work out that way.
>
> Joseph Pinner
> KC5IJD
> josephwp@aol.com

YUP.... I used to run a BC-610 with the R-392 receiver and the big
whateveritwas tty converter that occupied half a relay rack and only
did 850hz shift, and had the O-xxx/FR fsk exciter that went with the
package ---- all to an itsy bitsy teensie weensie ---- mite!

It worked pretty good, but I had trouble getting spare belts for it,
and finally had to give it away. It was fun getting Prensa Latina,
the marine WX/PX, etc, while they still ran.

Before that I used a Model 19, but could not get it into the moving
truck when I moved down here.....(:+{{..... oh, well.....

73/Bob/NA4G

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: Freqs?
Message-ID: <199507280037.UAA13293@cc01du.unity.ncsu.edu>

> Bob:
> Misplaced the frequencies and times for CWIST.
> Can you resend? The 375 will be cookin'!
> 73 Dave AB5S/7

I will run the CWIST Friday Night Fist Function again at 0200 utc
29 Jul 95 on 7027khz, 0300utc on 3527khz, 0400utc on 3702R5, and
especially for Dave Stinson with his BC-375, at 0500utc on 3527khz.
That is Friday night EST or (most appropriately) Saturday RADAY.
I will even try to get my 375 back up on the bench for that one!
(Dave --- let me know if you can make it at that time, else

checkin hour you think the skip will make it.)

The call from about on the hour to about 5 minutes after the hour is:

CWIST IMI DE yourcall K

Whoever is there first, start it rolling. If you don't hear anyone else, drop by the next hour if you can make it.

The run is a very informal roundtable, not a highly structured net, so don't let yer netiquette bother ya. There are usually anywhere from nil to a dozen checkins. The code speed is that of the slowest operator (if ya wan't ta QRQ, then check in at QRQ speed). If the slowest operator is below 20 wpm, then I will probably be on the straight shootin' iron. If the crowd happens to run above that, I will be on the bug.

Boatanchormen, chops of the ol' school, newbies on the ether, or QRQ high-speed henriettas welcome.

So, all you grand CW men (and women)..... stoke up them thar firebottles, an' polish up yer brass.....(:+{}.....

73/SEE U VA
DE NA4G

This will be a fine time to hear a fine and ancient Boatanchor rig of the first water! Grapple yer tin cans about yer noggins mateys! Sparks be about in the ether this fine Friday nite!

Bob

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Stanley L Flegler" <flegler@pilot.msu.edu>
Subject: FS NC-183D
Message-ID: <9507271257.AA23282@pilot05.cl.msu.edu>

I just saw this listing on rec.radio.swap. A classic National boatanchor, NC-183D for sale, \$150, local pickup only (he is very serious), contact Steve KA2JBZ, Worcester, MA, bonadio@new.ultranet.com

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995

From: zoom@willow.sps.mot.com (Chris Terwilliger)
Subject: FS: 4-1000 skt/chim/airsys
Message-ID: <9507272227.AA04204@willow.sps.mot.com>

For sale, shipping not included:

4-1000 socket, chimney, airsistem. \$100

Chris Terwilliger
zoom@email.sps.mot.com

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: zoom@willow.sps.mot.com (Chris Terwilliger)
Subject: FS: RME VHF-1
Message-ID: <9507271602.AA03920@willow.sps.mot.com>

For sale, shipping not included:

RME VHF-126 converter. covers 49-54, 144-149, 220-225 Mhz. good condition except original tuning knob replaced with velvet vernier. A few scratches and scuffs on top, sides and face. untested. has sticker on back that says it was a component of an "electro-matic" speed radar.....?????? \$50

Chris Terwilliger, AA7WD
zoom@willow.sps.mot.com

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: wb4ijn@awod.com (Steve Thomason)
Subject: FS: SP-600 JX-26
Message-ID: <199507271247.IAA11369@sumter.awod.com>

Seeing all the recent posts on the SP-600's reminded me that I am not using my SP-600 JX-26 at the present. It is in VERY excellent condition and works great. I even have a Scientific Atlanta cabinet that fits it.

Based on what I have seen here about the pricing of these units, and after checking with a couple of the "guru's" on the list, I suppose \$700 would be in-line with recent observations of asking prices.

One fellow suggested I open it for bidding and take the best offer, but after remembering how &^%#&*-off I get when I see someone doing that, I declined. So I'll take the earliest time-stamped offer or the first phone call.

I'll pay for the packing material, the new owner pays for the actual cost of shipment and insurance.

Phone 803-873-2499. extension 200, or 803-871-7749. Be sure to leave the time of your call if you have to leave a message.
73, Steve, WB4IJN

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: lakeith@wrdis01.robins.af.mil (Larry Keith)
Subject: Gone..
Message-ID: <199507271204.HAA19256@wrdis01.robins.af.mil>

Have unsub from Boatanchors because I am in the process of changing jobs.. This account may go away, next week. If anyone needs to contact me, try KQ4BY@AOL.COM. I will try to check that one, daily.

73,

Larry, KQ4BY

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Alan Richer/CAM/Lotus <Alan_Richer/CAM/Lotus.LOTUS@crd.lotus.com>
Subject: Re:Green felt..
Message-ID: <9507271410.AA26472@internet2.lotus.com>

>[If you don't know why sheet slate reminds me of green felt, >you misspent too
>much of your youth tinkering with radios :-)]
>
> mike k w9nrd

Mayhaps we should form a pool to guess the answer...8*) -ajr

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: RE: Insulated shaft coupling wanted
Message-ID: <Pine.SOL.3.91.950726225134.20678A-100000@clark.net>

On Wed, 26 Jul 1995, Gable, Edward M wrote:

>

> Does anyone have one lurking in a box of 'old' parts? Thanks in advance.
>
> 73, John Martin
> ++++++
> John: Send me ur Adr and I'll send ya one.
>
> PS (To all) Please use good e-mail etiquette
> and put ur e-mail adr in the text for those of
> us who have their headers removed prior to
> network distribution.

I've only been on the Internet for about three years and I never knew that headers were removed before this. Why would they do that?

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Dave Horsfall <dave@esi.COM.AU>
Subject: RE: Insulated shaft coupling wanted
Message-ID: <Pine.SUN.3.91.950727150530.14073K-1000000@eram.esi.com.au>

On Wed, 26 Jul 1995, Tony Stalls (K4KY0) wrote:

> > PS (To all) Please use good e-mail etiquette
> > and put ur e-mail adr in the text for those of
> > us who have their headers removed prior to
> > network distribution.
>
> I've only been on the Internet for about three years and I never knew that
> headers were removed before this. Why would they do that?

Because not all of them run Un*x boxes...

--

Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2AAB.NSW.AUS.OC | PGP 2.6
Opinions expressed are mine. | E7 FE 97 88 E5 02 3C AE 9C 8C 54 5B 9A D4 A0 CD

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: RE: Insulated shaft coupling wanted
Message-ID: <Pine.SOL.3.91.950727085741.16535A-1000000@clark.net>

On Thu, 27 Jul 1995, Dave Horsfall wrote:

> On Wed, 26 Jul 1995, Tony Stalls (K4KY0) wrote:
>

> > > PS (To all) Please use good e-mail etiquette
> > > and put ur e-mail adr in the text for those of
> > > us who have their headers removed prior to
> > > network distribution.
> >
> > I've only been on the Internet for about three years and I never knew that
> > headers were removed before this. Why would they do that?
>
> Because not all of them run Un*x boxes...

For whatever reason, it sounds pretty boneheaded to me. It's like the letter carrier removing the return addresses from the envelopes before delivering your mail. I think I'd be finding myself a different provider.

Thanks,

Tony
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: morgan@speckle.ncsl.nist.gov (Roy Morgan)
Subject: Re: Insulated shaft coupling wanted
Message-ID: <9507271449.AA14131@speckle.ncsl.nist.gov>

>>To all boatanchorites:
>>I need an insulated shaft coupling
..
>
>My Swan 250 has a novel shaft coupler. ... a 2" piece of 1/4" ID rubber hose.
>

How about a piece of that high-pressure clear hose which has stainless steel strands in it?

I think I have some, and if the original poster will send me his s-mail address, I will mail off a piece.

-- Roy --

Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Jackson Bros. vernier
Message-ID: <Pine.3.89.9507270341.A19874-0100000@indy1>

Hi!

The Jackson Brothers 6/36:1 vernier drive and dial arrived last week from Isoplethics in the UK; I'd been meaning to make a short report but hadn't got round to it.

First, neither the Royal Mail nor the US Postal Service managed to smash it--looks like they didn't even try! (An off day for them, perhaps?)

Second, it's *very* nice. Rather than a "pop-out" gearshift as seen in some dual-ratio drives, or two concentric knobs, JB uses a split-fork arrangement, which allows about 11 divisions of 36:1, and then engages the 6:1 drive. So large excursions call up the coarser ratio, you zoom across the band, and then back up to interesting signals at the fine ratio. Not a bad system!

The scale is good, very like the middle-sized of National's -CN series. Like them, JB provides two scale cards, each with three blank arcs and a 0-100 calibrated arc. (As a general rule, make copies and file them somewhere--you'll need them eventually).

It doesn't come with a knob! When they say "drive and dial," they mean it. (I half-expected that; the '71 edition of ARRL's "How To Become A Radio Amateur" features a receiver that uses this mechanism, and it's clearly got a user-supplied knob). Since the shaft is a garden-variety 1/4", it's not a problem

Overall fit & finish is excellent.

Both this unit (4103/A) and Jackson Brothers 4489/C, which is a round-scale drive & dial assembly supplied with a 2.25" knob, similar to the National AM are well-suited to BA projects. They also offer a wide range of drives in addition to the 6:1 unit most often seen, including some boatanchorish anti-backlash gear drives offering up to 125:1 ratios. It's good to know such things are still available off-the-shelf! They're not cheap--both of the dial & drives cited above are approximately US\$30--but they're well worth it.

...And no, they're not paying me for this endorsement. It's a product I thought was gone forever, except for the nasty little mini versions and I was pleased to discover that good vernier dials can still be found!

73,
--Bobbi

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: don merz <71333.144@compuserve.com>
Subject: Literature FS
Message-ID: <950727192323_71333.144_DHQ35-1@CompuServe.COM>

Radio Literature For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

RADIO MAGAZINES

CQ Magazine: 7/53, 12/53, 8/55 & 3/56: 50 cents each
CQ Magazine: 87, 88, 89, 90, 91, 92: \$4 per year

QST September, 1944, Signal Corps Special Issue, very good: \$6
QST December, 1944, binding edge poor: \$2

AMSAT

NEWSLETTER 29 issues covering volume 4, #3 through Volume 11, #4.
(not complete). 1972 - 1979. Several neat extra early AMSAT
promotional brochures. As-new condition. \$10

VARIOUS HAM AND WIRELESS LITERATURE, "HB" = HardBack

CQ Mobile Handbook, William I. Orr, 1st edition, 4th printing, September
1962. Excellent softcover. \$12

101 Ways To Use Your Oscilloscope by Middleton. Sams, 1959,
Softcover. Excellent. \$7

Antique Radio Classified magazine: I have over 60 issues dating back to
Volume 2 to the present. I will trade these 2-for-1 for any of the AWA
Old Timer's Bulletins I need as listed in the WANTED section above.

RCA "Triple Pindex" tube base directory covering 475 different types.
Excellent: \$8

Sams "Post-War Communications Receiver Manual CR-1" covering Collins
75A1, Hallicrafters S-38 through SX-43, National NC-240 through HRO 7,
RME 45 and others along with aircraft and marine sets from Gonset,
Airadio, Harvey Wells and others. Good condition. Paperback. \$29

RCA Radio Service News. I have about 10 issues starting with Volume 1
number 1 (1934) and going through Volume 3 (1937). This is a newspaper
format trade paper that runs about 12 pages per issue. Pictures of
sexy vamps from radioland are usually featured on the front page and

referred to as performing on one or other RCA-sponsored radio show. Nice amateur station photos (featuring the RCA ACR-136, etc), neat promotions for "spiderweb" antennas. Great tube introductions (the 800 is featured in one issue). These are really fun reading. Trade or make an offer.

Antique Wireless Association Annual Review Volume 1. Mint. Out of print. Trade for AWA Review Volumes 2 or 5 or ????

1961 Radio Amateur DX Guide by H. J. Nelson. Published by Radio Amateur Call Book, Inc. Very good. \$8

"Tuning in On A New World" brochure published by Condensite to promote their Celoran line of panel materials. It's an introductory kind of How-To brochure covering 1 to 5 tube set construction. With schematics. Good condition. About 1924. \$6

ICS Radio Operators Handbook, 1924, 1st Edition. HB: \$19

Sams Ham Antenna Construction Projects, 1963, 1st Edition: \$4

World Radio/TV Handbook, 1987: \$4

73 Vertical, Beam and Triangle Antennas by Ed Noll, 1970: \$5

CQ-DX Annual. 1948. 1st Edition, 1st Printing. \$8

NRI coursebooks, 9 books from 1968 course, nice: \$4

Bell System Technical Journal, Index to Volume 9, 1930: \$2

1976 ARRL Handbook. Good: \$12

1978 ARRL Handbook. Good: \$9

ARRL Antenna Book, 7th edition, 1955. Very good softcover. \$14

Fifty Years Of The ARRL, 1981, 1st Edition: \$7

CALL BOOKS

1935-36, Winter Radio Amateur Callbook Magazine, cover rough. \$12

1971-72 Foreign Radio Amateur Callbook. Good: \$7

1979 Foreign Callbook. Good softcover. \$9

1980 U. S. Callbook. Excellent softcover. \$11

1983 Foreign Callbook. Good softcover. \$9

1984-85 ARRL Call Directory. Excellent. \$9

CATALOGS

Eisemann Brochure; Audio Frequency Amplifying Transformers, small. I'm guessing late-teens or early 20's. \$1

1938 Modells "Electrical Essentials." Catalog. Radios by DeWald and Delco.

But the really interesting stuff is the A.C. Gilbert Erector sets and toys, Everready flashlights and Master "Violet Ray" machines.

97 photo-filled pages. New-in-mailer. \$15

Instructograph sales glossy, circa 1948. Very nice. \$2

Swan Color Brochures from 1979. Covers 100MX, 102BX and 150 models. New. \$2

1957 Grommes (Precision) catalog. Small, B&W. Excellent: \$3

BOATANCHOR MANUALS

Collins 51J3 Sams photofact copy, copy of articles from Collins Collectors Magazine on 51J-series, connection diagrams from 51J manuals. \$4
Collins 75A4 professional photocopy: \$10
Drake TR-3. Excellent original. \$13
Globe 755A VFO original manual. Mint. \$10
Hallicrafters HA-6 6 meter transverter original manual. Mint. \$14
Hallicrafters HT-12 Manual Photocopy: \$4
Hallicrafters SX-24 original manual. Good condition but cover is dirty: \$12
Hallicrafters S-40A clean photocopy. \$7
Hallicrafters SX-101 Mark III fair photocopy: \$4
Hallicrafters SX101A original manual. Cover poor: \$5
Hallicrafters Skyrider 23. Fair photocopy. \$5
Hallicrafters 5R40 Manual. Original, excellent: \$10
Heathkit HWA-2036-3 Power Supply Assembly Manual. As-new. \$4
Lysco 500/600. Complete, excellent manual copy. Partial original manual schematic, various magazine reviews and mods. \$7
National NC-300 photocopy. First page is missing. \$3
RCA ACR-136 Receiver. Clean photocopy. \$7
RCA 8516 Marine Receiver manual photocopy: \$8
Swan 250C Manual Photocopy: \$8
Western Union Telex 32 Sender-Receiver operating instructions, excellent: \$3

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: "Hugh D. Stegman" <driver8@red-eft.la.ca.us>
Subject: RE: McIntosh Labs
Message-ID: <9507271911.AA14817@red-eft.la.ca.us>

>>Needless to say, not that many solid state amps with THD measured at
>>1K looked like much on Mc's graph. It was fun to watch the sine waves
>>go all to pieces on the scope, while the owners watched in despair.

>Huh? Most well designed, properly working SS amps had much lower THD
>than the good tube amps of the '50s and '60s.

Two problems: #1 was from the specsmanship of the time. Yes, they discovered that they could get 0.02% THD at full output at 2 kHz and the ad people really went to town on this. Plus power got cheap, especially the ridiculously inflated "EIA" numbers that came from a rigged test setup. So you got a lot of consumers with their "100 watt per channel" receivers who had a disappointment coming. On the real power supply, on a real sine wave, at rated power, at 20 hz or kHz you ran a real risk of smoking the poor things. Real ego damage for some

of these guys who'd bought on "horsepower numbers" alone.

Now problem #2 was the shitty implementation of class B amplification. The early solid state stuff was notorious for INCREASING distortion as amplitude went down. The crossover axis would go all to pot. You'd watch these little spikes appear on every $hz \times 2$ and get bigger and bigger. They solved this problem pretty quick, but at first it was a killer and you REALLY heard the difference. Remember that REAL music in normal people's homes is often more on the order of milliwatts most of the time.

The first solid state amp that really sounded like anything, that I knew about, was the Crown DC300. You'd see these things stacked up 8 high at concerts. It was a killer. Pretty modest by today's standards though.

>order of magnitude reduction in THD numbers.

Yeah, went off the bottom of the page. The chart recorders couldn't even graph it. Which is why THD testing went out of favor.

>Remember, that warm tube sound is the result of higher THD, plus phase shifts and other effects caused by the output tranny.

Oh yes! Ask any musician. The THD is like adding an extra fifth. (The octaves are less apparent for several reasons.) This is taken to extreme in guitar amps.

-hugh

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>
Subject: Model 15 Teletypes
Message-ID: <Pine.3.89.9507271450.A9928-01000000@hamp>

I have two of these beasts that I have been trying to give away for several years. I hate to junk them, but some day I will have to.

They are free for pickup in Amherst MA (80 m. W. of Boston) or I would be willing to put them in my truck and bring them to a hamfest or flea within reasonable distance, for instance M.I.T. (Cambridge MA) Aug 20, or Gardner MA, Aug 26, if I knew in advance some one would take them off my hands.

Please respond by direct e-mail -- when my mailbox is full I sometimes

don't have time to read all the boatanchors messages.

73, Al N1AW

Albert S. Woodhull, Hampshire College, Amherst, MA
awoodhull@hamp.hampshire.edu
woodhull@shaysnet.com
413-549-2962

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: wa6jpr@engsrv.qsc.com (Wally Linstruth - WA6JPR)
Subject: Re: Model 15's
Message-ID: <9507271551.AA11612@engsrv.qsc.com>

[Robert - meant to post this to the group - ran it off in a hurry
last night using 'reply mode' and forgot to edit the headers]

> My 15 came from a now deceased deaf person that was using it for tty phone
> use too. I wonder if there was a speed change kit for the gears so I could go
> from 60 to 100 wpm by pulling a lever or something? I use mine to copy a lot
> of RTTY from shortwave and sometimes I can't copy the traffic at all. I'm
> assuming some stations are using a higher speed instead of some sort of
> encryption. Am I right? BTW love the sound of that thing while it's
> running!!!

This goes back over thirty years, but when I was a TTY Repairperson
for Pacific Telephone & Telegraph, model 15s were not able to run
at 100 wpm (110 baud). Their maximum speed was 75 wpm.

To change speeds, both a motor and mainshaft gear were changed.

Model 28 equipment was the only equipment capable of 100 wpm service.
and some of them were equipped with "manual transmissions" for
changing speeds.

I also love the sound of the 15s cranking along. It was fun
to watch the press guys at Hollywood Park starting a tape at
75 wpm and then proceeding to compose their newspaper columns
for the paper, keeping ahead of the transmitter running at a
steady 75 wpm.

Same deal at LAX watching Operations and Reservations
operators do the same thing at 100 wpm on model 28 equipment.

However NOTHING in the 28 world could match a well adjusted Model 19
(a 15 set up for tape) keyboard for cutting tape.

>was THROWING THEM AWAY!) The sections are:
> General
> Cathode-Ray tubes, Storage Tubes, & Monoscopes (?)
> Photosensitive Devices
> Thyratrons, Ignitrons, & Glow-Discharge Tubes
> Receiving-Type Industrial Tubes
> Receiving Tubes -- Part 1
> Receiving Tubes -- Part 2
> Transmitting Tubes

=====

I have the same set, except missing two volumes: Photosensitive Devices and Thyratrons etc. Useful reference books. In case there was a question, monoscopes were sort of a cross between a small CRT and a TV camera tube, with a fixed pattern (often the memorable Indian in full head dress, along with grey scales and wedge-shaped resolution patterns, all within a circle) on a thin metal target where the CRT's phosphor normally would be. The metal target was raster scanned by the electron beam from the tube's gun; the output signal, picked off the target, was the video form of that pattern etched on the target. Useful for setting up and calibrating a system. Many TV stations had their own call letters also etched into the target on one side... thus a custom monoscope. They're kind of neat as collector tubes.

73, John Martin

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Robert2039@aol.com
Subject: My MC 275 amps?
Message-ID: <950727002854_41700821@aol.com>

In a message dated 95-07-26 16:00:18 EDT, you write:

>-
>
>Date: Wed, 26 Jul 95 12:32:00 -0700
>From: RICHARD_HUMPHREY@HP5200.desk.hp.com
>To: boatanchors@theporch.com
>Subject: RE: McIntosh Labs
>Message-ID: <d0b7eTn0000000000@MHS>
>
>BTW, to our friend who was given the four 275 amps, congrats on a super
>steal.
>Hope you're wearing body armor. I see those for sale in 'AudioMart' for up
>to \$2000 each for a really clean one. When your friends friend finds out,
>you better lay low!
>Richard
>N6NAE
>

I was very thankful to get those! That friend of a friend I'm sure didn't know what those "useless to him tube amps" were worth. He was just happy to get the solid state stuff. Some of my other high end Hi Fi friends think I'm a little crazy to wanna have tube amps in my setup. They just don't know that thier missing! I will never go back to a solid state amplifier. Of couse I was looking for a pair of them for some 6 months now. Your right, Best "steal" I ever had! The 4 of them sound great in a mono bridged biamp setup with my B&W 801 series 2's. Two amps per side (one for lows, the other for mids & trebal) might be overkill for some people but I really like the sound that way. Biamping must be out of fashion today. None of the young Hi Fi sales people I know ever heard of it.

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: oranges@FRB.GOV
Subject: NTIS 800 Number was R390a Manual date
Message-ID: <017e6460@ccmail.frb.gov>

Hello BA's
Try the NTIS number it is 1-800-336-4700 and select option 1
then select option 2, then tell them you need a military tech manual.
They will forward you to the right people to take your order.

Fred Bohner Email address is oranges@frb.gov
Washington,dc Message for personal use Not Official Use.

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Scott Turner <scott@hpislst.lvld.hp.com>
Subject: Re: OSHKOSH BOUND
Message-ID: <199507271640.AA107453215@hp.com>

>
> I would like to meet other BA's attending the Oshkosh air show this
> Sunday the 30th.

Snip...

>
> I would also like to propose a more or less official universal BA call
> in freq for events like this and Hamfests. I know that 147.51 is successfully
> used in the San Francisco area by the local AMers (W6BM).

You might want to know what other hams are using to get together. The rec.aviation group (which includes a suprising number of radio folk) have for years used 145.75 simplex. This year, for the first time, a gentleman by the name of Jim Weir of RST will be setting up a simplex repeater on the 10th floor of one of the UW-0 dorms for radio amateurs

at OSKOSH on 147.425 with PL of 107.2.

As I understand it, the repeater will have a 20 second record time, and then will spit back the recorded message 3 seconds after you stop transmitting. As this repeater will be used by flying/ham enthusiasts it might serve as a good tool for BA folks as well.

Other local amateur frequencies:

147.090	Fond du Lac repeater
147.240	Oshkosh repeater
147.345	Oshkosh repeater 107.2 PL

> By the way, we will be at the Germanfest in Milwaukee this Saturday and buy
> a German beer to anyone who would like to discuss this subject further! I'll
> be monitoring 147.51 with my American HT (SABER) radio all this fun weekend.

Sheesh! Now I *really* wish I was going this year.

[BTW, for the uninitiated, OSHKOSH is sport aviation's version of Dayton and there really are BA's to be seen all over the field in some interesting old aircraft.]

Hope this isn't *too* far afield for the list.

--

Regards,

Scott Turner KG0MR scott@lvld.hp.com

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: steve@hi.com (Steve Byan)
Subject: our tax dollars at work!
Message-ID: <v02110103ac3d9f4d1dfb@[140.243.30.128]>

I asked Larry Mills ("our man at NTIS" - lmills@ntis.fedworld.gov) to run a search on TV-2 manuals. He faxed me back a list within 30 minutes! Here's the info:

TM 11-6625-316-12

"Operator's and Organizational Maintenance Manual: Test Sets, Electron Tube, TV-2/U, TV-2A/U, TV-2B/U and TV-2C/U (Reprinted w/ basic incl C2-3)" \$19.50

TM 11-6625-316-35

"Field and Depot Maintenance Manual for Test Sets, Electron Tube, TV-2/U, TV-2A/U, TV-2B/U and TV-2C/U {To 33A21-4-12} (Reprinted w/ basic incl C1)"

\$19.50

TM 11-6625-316-20P

"Organizational Maintenance Repair Parts and Special Tools List for
Electron Tube Test Sets, TV-2/U, TV-2A/U, TV-2B/U and TV-2C/U (FSN
6625-669-0263)"

\$9.00

TM 11-6625-316-34P

"Direct Support and General Support Maintenance Repair Parts and Special
Tools List (Including Depot Maintenance Repair Parts and Special Tools):
Electron Tube Test Sets, TV-2/U, TV-2A/U, TV-2B/U and TV-2C/U (FSN
6625-669-0263)"

\$27.00

Steve Byan
Hitachi Computer Products (America), Inc.
1601 Trapelo Road
Waltham, MA 02154

internet: steve@hi.com

phone: (617) 890-0444

FAX: (617) 890-4998

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995

From: jmartin@hrlban1.aircrew.asu.edu

Subject: Panel corrosion

Message-ID: <SA39+Hqu3ka@hrlban1.alhra.af.mil>

Ref:

> The corrosion I have is a raised surface "Pit" for lack of better words.

>It appears that the metal is being corroded away from below the surface

>and "pushing" out to the surface.

=====

I'd say the original finish on your panel had microscopic holes or pores in it, resulting in lack of protection in the trouble spots, or else there was some slight corrosion to begin with before it was painted, and trouble slowly developed under the surface finish. In either case little sites of corrosion have resulted in gopher mounds of oxide (which puffs up and occupies a lot of volume). The only really sure cure I know of is to strip the panel completely and buff out those pits, then make sure there is no oil of any kind on the metal (which otherwise could cause what's called bird-eyes - tiny holes - in the finish coat), then prime and paint it properly. Sorry I don't know of an easier solution.... maybe someone else has a better method.

73, John Martin

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: Gary Pewitt <gpewitt@execpc.com>
Subject: Re: Panel corrosion
Message-ID: <Pine.SOL.3.91.950727182618.27919B-100000@earth>

J.C.Whitney catalog carries a rust converter liquid that turns iron oxide into iron phosphate which is impervious to oxygen. Just wire brush away any dirt and loose scale but don't clean down to bare metal. It goes on milky white and dries flat black. It can be painted over. I did my whole truck frame with it and it really works. Try it, it comes in pint bottles and doesn't cost much.

73 Gary N9ZSV gpewitt@execpc.com for the headerless.

On Thu, 27 Jul 1995 jmartin@hrlban1.aircrew.asu.edu wrote:

> Ref:
> > The corrosion I have is a raised surface "Pit" for lack of better words.
> >It appears that the metal is being corroded away from below the surface
> >and "pushing" out to the surface.
> =====
> I'd say the original finish on your panel had microscopic holes or pores in it,
> resulting in lack of protection in the trouble spots, or else there was some
> slight corrosion to begin with before it was painted, and trouble slowly
> developed under the surface finish. In either case little sites of corrosion
> have resulted in gopher mounds of oxide (which puffs up and occupies a lot
> of volume). The only really sure cure I know of is to strip the panel
> completely and buff out those pits, then make sure there is no oil of any kind
> on the metal (which otherwise could cause what's called bird-eyes - tiny
> holes - in the finish coat), then prime and paint it properly. Sorry I don't
know
> of an easier solution.... maybe someone else has a better method.
> 73, John Martin
>

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Robert2039@aol.com
Subject: Ping pong balls?
Message-ID: <950727120952_42009124@aol.com>

In a message dated 95-07-27 02:58:14 EDT, you write:

>
>Ping-pong balls are a common celluloid item; try lighting one on fire
>(be careful!) to find out why celluloid is not used more commonly.
I'm sure that's why the theater industry switched from nitrate to safety base

film sometime in the late 40's. Old nitrate film burns like hell which is why some film collectors don't fool with it. Doesn't bother me though. I consider nitrate a real collectable. All of mine (about 20 reels) is still in good shape although it will decompose to powder one of these days. I'm just an ex union theater projectionist that likes using my old Super Simplex 35mm carbon arc projector. Most of my film collection is 16mm, however I do have some 35 film mostly safety base. The 16 gets run on an old manual thread Bell & Howell model 202 from the early 50's. Times change, Now theater movies are run from a very boring (to me anyway) Christie platter to a modern 35mm projector with a xenon lamphouse. Still wish the 2 projector carbon arc manual changeover system was kept in use! They were definitely fun to run.

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: R-390A Manual Date
Message-ID: <Pine.SOL.3.91.950726225712.20678B-100000@clark.net>

On Wed, 26 Jul 1995 n5off@w5ddl.aara.org wrote:

> My manual was printed in 1994.
>
> The book is TM 11-5820-358-35 8 December 1961
>
> However, it is crisp and new looking, and page 189 says
>
> *U.S. GOVERNMENT PRINTING OFFICE: 1994-342-421/81642

That could very well mean that it is available as current stock at the GPO. I will inquire...

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: R-390A Manual Date
Message-ID: <Pine.SOL.3.91.950727093653.16535G-100000@clark.net>

On Wed, 26 Jul 1995, Tony Stalls (K4KY0) wrote:

> On Wed, 26 Jul 1995 n5off@w5ddl.aara.org wrote:
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> > My manual was printed in 1994.

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> > The book is TM 11-5820-358-35 8 December 1961
> >
> > However, it is crisp an new looking, and page 189 says
> >
> > *U.S. GOVERNMENT PRINTING OFFICE: 1994-342-421/81642
>
> That could very well mean that it is available as current stock at the
> GPO. I will inquire...

Well gang, I called the Government Printing Office this morning and they do not list TM 11-5820-358-35, nor do they have anything under 1994-342-421/81642. I suggested that the manual may be reprinted and they referred me to the Naval Aviation Supply Unit in Philadelphia. I went through the usual "If you are calling on a telephone made before 1900, press one now..." labyrinth getting only endless no-answer ringing no matter what I pushed or didn't push. I guess they're "on break".

Stay tuned...

73,
TOny
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: R-390A Manual Date
Message-ID: <v02110120ac3d5100af8e@[140.243.30.128]>

>Well gang, I called the Government Printing Office this morning and they
>do not list TM 11-5820-358-35, nor do they have anything under
>1994-342-421/81642. I suggested that the manual may be reprinted and they
>referred me to the Naval Aviation Supply Unit in Philadelphia. I went

I bought mine from the NTIS. Here's a copy of Neal Anderson's (N4UYR) post on the subject:

>From: Anderson_Neal@lanmail.ncsc.navy.mil
>Date: Mon, 25 Apr 94 10:19:00 CST
>To: boatanchors@gnu.ai.mit.edu
>Subject: R-390A MANUAL
>
>Hi R-390A fans. I just received a brand new, original U.S. Army

>TM 11-5820-358-35! I'm sure you all recognize the number (Direct
>Support, General Support, and Depot Maintenance Manual: Radio Receiver,
>R-390A/URR).
>
>The National Technical Information Service (NTIS) handles all Army
>manuals now. I had ordered some weapons manuals from them in the past,
>so thought I'd try a radio manual. The answer came back: yes it is
>available. Price is \$27.00 + 3.00 shipping. I faxed them my order &
>credit card # on 12 Apr. Received the manual in the mail 22 Apr. \$30 may
>seem high, but it is in PERFECT condition (it is a newer printing), with
>lots of big foldouts. You can order from the human phone number by
>giving them document # and credit card #.
>
>The address is: NTIS
> 5285 Port Royal Rd.
> Springfield, VA 22161
>
>FAX: 703-487-4841
>
>Live human: 703-487-4684
>
>Neal N4UYR

Here's Roy Morgan's summary of the Army TM's on the R390A:

>Date: Thu, 27 Jan 94 18:22:55 EST
>From: "Roy S. Morgan" <morgan@speckle.ncsl.nist.gov>
>X-Minuet-Version: Minuet1.0_Beta_11
>X-Popmail-Charset: English
>To: boatanchors@gnu.ai.mit.edu
>Subject: R390A/URR MANUALS LIST
>Status: R0
>
>Manuals for R-390A:
>
>(All manual number are for Army, unless specified.)
>
>TM 11-5820-358-10 "Operator's Manual, Radio Receiver R-390A/URR"
> 16 January 1961
> (Change 1: ?, Change 2: 15 January 1965, Change 3:
> 25 April 1974)
>
>TM 11-5820-358-20 "Organizational Maintenance Manual, Radio Receiver
> R-390A/URR"
> (Air Force number: TO 31R1-2URR-442)
>
>TM 11-5820-358-34P "Direct Support and General Support Maintenance
> Repair Parts and Special Tools Lists, Radio

> Receiver R-390A/URR" February 1972 (Supersedes
 > TM 11-5820-358-35P, 20 March 1962, including all
 > changes.)
 >
 >TM 11-5820-358-35 "Field and Depot Maintenance Manual, Radio
 > Receiver R-390A/URR" 8 December 1961
 > (Changes 1 and 2 at least were issued. It, together
 > with the Operator's Manual above, supersedes
 > TM 11-856A, 20 January 1956 including changes 1-6.
 >
 >Comments:
 >
 >Operator's Manual: This is useful. (If you don't have it, and need
 >to carry out demolition, you're on your own.)
 >
 >Organizational Maintenance Manual: 38 pages. Tells how to remove and
 >replace sub-chassis, and not a lot more. Brief descriptions of trouble
 >shooting.
 >
 >Direct Support ... Parts and Special Tools List: 160 pages of lists of
 >parts. Mostly useless except for 24 pages of very good photos showing
 >parts locations.
 >
 >Field and Depot Maintenance Manual: 189 pages. This is the one to have.
 >Contains theory, detailed trouble shooting, inspection and calibration/
 >alignment instructions, voltage and resistance diagrams, parts location
 >illustrations, and SCHEMATICS.
 >
 >---
 >Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899
 >301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov
 >---

Steve Byan	internet: steve@hi.com
Hitachi Computer Products (America), Inc.	
1601 Trapelo Road	phone: (617) 890-0444
Waltham, MA 02154	FAX: (617) 890-4998

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
 From: "Tony Stalls (K4KY0)" <j38@clark.net>
 Subject: R-390A Manuals Available!
 Message-ID: <Pine.SOL.3.91.950727142440.21282B-1000000@clark.net>

Hi gang,

I have just returned from the NTIS and I have the operator's manual, organizational maintenance manual, and the field and depot maintenance manual in my grubby little paws. Total cost (GULP!) \$64.00.

The guy there that helped me, Larry Mills, asked if there had been an announcement somewhere as there have been a flurry of requests for manuals today. I told him about the boatanchors list and gave him the e-mail address, along with mine.

He said that they have a lot of communications manuals there, or they can order them. He said that he would welcome any e-mail inquiries directly to him. I warned him what he might be getting into, but he said no problem. He can do searches on anything in the title, manual number, etc. Larry's e-mail address is <lmills@ntis.fedworld.gov>.

Larry added that the Army is good about keeping available manual lists up to date, with the latest being issued on July 1, 1995, but saidn the Navy doesn't doo nearly as well. He suggested calling them (215-697-2000) for the latest information.

Now the bad news. As of 1:30PM EDST, there was only one R-390A field and depot maintenance manual left in stock at NTIS. They are available in the supply system from St. Louis, but be prepared for a wait.

Go for it!!!

73,
Tony
K4KY0

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Stanley L Flegler" <flegler@pilot.msu.edu>
Subject: R-390A manuals/Fair Radio
Message-ID: <9507271218.AA11727@pilot06.cl.msu.edu>

A question was asked several days ago concerning which R-390A manual copy Fair Radio sells. I checked my copy which was purchased several months ago. It is TM 11-5820-358-35 Field and Depot Maintenance, dated 8 Dec. 1961. It describes 3rd, 4th, and 5th echelon rapair of the radio which seems extremely complete to me. It is a xerox copy and done very well. The photos are very usable. However, as was brought up, it is not bound but loose. But the price, \$15 seem reasonable enough. 73 Stan, flegler@pilot.msu.edu

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: R-390A manuals/Fair Radio
Message-ID: <Pine.SOL.3.91.950727094350.16535H-100000@clark.net>

On Thu, 27 Jul 1995, Stanley L Flegler wrote:

> A question was asked several days ago concerning which R-390A manual
> copy Fair Radio sells. I checked my copy which was purchased several
> months ago. It is TM 11-5820-358-35 Field and Depot Maintenance, dated 8
> Dec. 1961. It describes 3rd, 4th, and 5th echelon rapair of the radio
> which seems extremely complete to me. It is a xerox copy and done very
> well. The photos are very usable. However, as was brought up, it is not
> bound but loose.

The fold-outs are paste-ups and are not well done. Mine are so bad that they prevent taking them to Kinko's and havign them bound. If they're going to reproduce manuals, they should have a copy machine that will do pages larger than 8-1/2x11.

If you think that's bad, you should have seen the R-1051B manual I got from Fair Radio. It was about 3 inches thick and came loose in a box.

> But the price, \$15 seem reasonable enough.

You get what you pay for. I would much rather pay twice that and get a good manual with pages that won't get lost.

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: doonan@cordmc.dnet.etn.com (DENNIS DOONAN X6916 (KG9DO))
Subject: Re: R-390A manuals/Fair Radio
Message-ID: <9507271456.AA18517@etn.com>

OK,

I don't know about the R390-A manual, but I recently received a copy of their R-388 manual. It was loose, but the copy was very good including the larger sheet. It was well worth the price. It can be secured with a single heavy staple or kept loose in an envelope. I am keeping mine loose so that I can spread it out on the bench.

The photos were not tooo bad. You could identify the components as long as the radio was there. Views of the top side of the chassis were fine in the copy.

Just a thought, but I am happy with my copy.

PS,

It's is not as nice of a job as Bobbi has done on her recent reprint--tnx Bobbi.

73 de Dennis, KG9DO
doonan@cordmc.dnet.etn.com

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: Scott_Johnson-AZAX60@email.sps.mot.com
Subject: RE>Re- Tube tester
Message-ID: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

RE>Re: Tube tester

7/27/95

'Course if you used a Pentium, you would only have approximate values.

>What we need is a Pentieum based tube tester...it would show
>characteristic curves as well as gm, leakage, etc

Just interface an old Berkeley/Beckman tube A/D and D/A to the PCI bus, and we'll do the rest in software :-)

Steve Byan
Hitachi Computer Products (America), Inc.
1601 Trapelo Road
Waltham, MA 02154

internet: steve@hi.com

phone: (617) 890-0444

FAX: (617) 890-4998

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: "James T Hanlon" <jthanlo@jade.imdi.sandia.gov>
Subject: RE: receiving tube xmitters
Message-ID: <9506278068.AA806884376@jade.imdi.sandia.gov>

Y'all,

At the risk of being hung as a "hacker" (again), have a look in ER a couple of years ago for "Ivo's Mighty Flea Power." It's a 6J6 Pierce xtal oscillator/power amplifier built into one of the old walki-talki tuning units, and I've gotten 3 to 5 watts out of it on 80, 40 and 30 meters. I originally built it around 1954 or so under the guidance of Ivo Depenbrock from Steinburgs in Cincinnati who used a rig like it along with a regen-and-one-step when he went vacation-camping. Still does a nice job.

73,

Jim, W8KGI

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Robert2039@aol.com
Subject: receiving tube xmitters
Message-ID: <950727121011_42009365@aol.com>

Just put together a bread board tri-tet with a 1T4 driving a pair of 3S4's. Puts out half a watt on 80 & 40 meters. Didn't think battery tubes could do that! Anybody else build a receiving tube transmitter? What did you use? What kind of power did you get? And I don't mean a 6SJ7 driving a 6L6!

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: Re: receiving tube xmitters
Message-ID: <v01510103ac3d84fab509@[132.235.72.11]>

>Return-Path: <boatanchors@theporch.com>
>Date: Thu, 27 Jul 1995 11:31:53 -0500 (CDT)
>Sender: boatanchors@theporch.com
>From: Robert2039@aol.com
>To: Multiple recipients of list <boatanchors@theporch.com>
>Subject: receiving tube xmitters
>
>Just put together a bread board tri-tet with a 1T4 driving a pair of 3S4's.
>Puts out half a watt on 80 & 40 meters. Didn't think battery tubes could do
>that! Anybody else build a receiving tube transmitter? What did you use? What
>kind of power did you get? And I don't mean a 6SJ7 driving a 6L6!

>-----

Robert and all,

This winter I put together a 6AQ5 oscillator on a piece of maple and was able to coax (pun intended!) about 5 watts out of it on 40 meters. Any more power out tended to chirp a lil. 8*) My crystal was on 7.013. Made a contact to Spain with a long wire as my first contact! Worked lotsa USA stations. I put it on the shelf and will get it out again when the weather turns cold.

I'll bet a lot of us on the boatanchor list started ham-life with this type of transmitter. (I had a 6DQ6 on 3.72mhz as a nervous novice with a NC-98 National receiver) It is amazing what a little tube and a few parts will do!

73 de

```
*****
*                               Greg Weinfurtner AEE BSS *
*      NN      N  SSSSSSS  8888888  0000000  Electronic Design Splst *
*      N N      N  S      8      8  0      0  Ohio University Athens *
*      N N      N  SSSSSSS  8888888  0      0  GO BOBCATS! *
*      N  N N      S      8      8  0      0 *
*      N      NN  SSSSSSS  8888888  0000000 *
* * * * *
*      Amateur Radio          Can thou send forth lightings *
*                               that they may go and say unto *
*      weinfurtner@ouvaxa.cats.ohiou.edu thee, 'Here we are'? Job 35:38 *
*****
```

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: recieving tube xmitters
Message-ID: <199507271728.NAA25648@cc01du.unity.ncsu.edu>

>
> Just put together a bread board tri-tet with a 1T4 driving a pair of 3S4's.
> Puts out half a watt on 80 & 40 meters. Didn't think battery tubes could do
> that! Anybody else build a recieving tube transmitter? What did you use? What
> kind of power did you get? And I don't mean a 6SJ7 driving a 6L6!
>

Great!

One of my favorites is George Grammer's 1932 breadboard Hartley for 160 meters using a 45 tube. I redid it using a 6SN7/12AT7 sort of tube, and it works great! The full info is in the BA archives supposedly. It can also be gotten from sunsite.unc.edu via anonymous ftp in the dir: pub/academic/agriculture/agronomy/ham/things-to-build/na4g.

A Hartley oscillator is also great with any receiving triode of almost any vintage.

Electron Coupled Oscillators using things like a 6SK7 with a pi-net output circuit can be neat for local rag chews at maybe 1 watt or so.

A 6AQ5 is a good tube for several watts of output.

Battery tubes can be robust tubes if taken care of. ANY overvoltages on the filaments can be el-zappa time. HINT --- always use a proper on/off filament reostat to control battery tubes, and always run them on dc (:+}} unless you want to emulate the famous RAC notes of the 20's!

73/Bob/NA4G

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: recieving tube xmitters
Message-ID: <199507271805.0AA27616@cc01du.unity.ncsu.edu>

> Robert and all,
> This winter I put together a 6AQ5 oscillator on a piece of maple
> and was able to coax (pun intended!) about 5 watts out of it on 40 meters.
> Any more power out tended to chirp a lil. 8*) My crystal was on 7.013.
> Made a contact to Spain with a long wire as my first contact! Worked lotsa
> USA stations. I put it on the shelf and will get it out again when the
> weather turns cold.
> I'll bet a lot of us on the boatanchor list started ham-life with
> this type of transmitter. (I had a 6DQ6 on 3.72mhz as a nervous novice
> with a NC-98 National receiver) It is amazing what a little tube and a few
> parts will do!
>
> 73 de
> Greg Weinfurtner AEE BSS

Neat .sig, but had to reduce it a bit to fit on the album cover....(:+}}.....

This is the kind of thing that a lot of us can/will/could/maybe/might do.

Although I prefer older things from the 20's, usually, there are a lot of fine 50's/60's novice rigs that used to abound in the issues of Popular Electronics, etc. The 6AQ5 was a standard workhorse tube of that era for neophyte novice/nervous novice types.....(:+{}.... `Bet noone ever shook as much as me when i fired up that first timid CQ on 15 meters and back popped a VE3 from 2 Mountains, Quebec! I liketa doodlesquatted right there, and was shaking so bad my logsheet was unreadable. But, it is something I will fondly remember for the rest of me days.

Yes, it is most amazing that a few little parts on a simple piece of wood, with an unassuming wire running out the window and an funny looking on/off switch keyed at a funny rate in a funny manner will talk to the world.

So, let's start putting something funny together!

Can you get this beast on 7025 where a few of us have other rockbound rigs running?

73/Bob/NA4G

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: recieving tube xmitters
Message-ID: <Pine.SOL.3.91.950727152659.21282K-100000@clark.net>

On Thu, 27 Jul 1995, Greg Weinfurtner wrote:

> Robert and all,
> This winter I put together a 6AQ5 oscillator on a piece of maple
> and was able to coax (pun intended!) about 5 watts out of it on 40 meters.
> Any more power out tended to chirp a lil. 8*) My crystal was on 7.013.
> Made a contact to Spain with a long wire as my first contact! Worked lotsa
> USA stations. I put it on the shelf and will get it out again when the
> weather turns cold.
> I'll bet a lot of us on the boatanchor list started ham-life with
> this type of transmitter. (I had a 6DQ6 on 3.72mhz as a nervous novice
> with a NC-98 National receiver) It is amazing what a little tube and a few
> parts will do!

I just picked up a back copy of the March 1956 POPULAR ELECTRONICS magaizine because I recalled an article on the "Sandwich Box Transmitter" by Elton Stolberg, W7OUV, that used a single 6AQ5 built on a plastic sandwich box. I tried to build it back then when I was a Novice, but I

didn't finish it because my folks gave me permission to cash the \$25 savings bond my dad sent me during WW2 to buy my Viking Adventurer. I'm going to finally get around to building it, 39 years late.

73,
Tony
K4KY0

ZUT!

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Re: recieving tube xmitters
Message-ID: <199507272155.RAA09748@cc01du.unity.ncsu.edu>

> >So, let's start putting something funny together!
> >Can you get this beast on 7025 where a few of us have other rockbound
> >rigs running?
>
> I'll check the rock collection for 7025. Hmmm ... I migh have something I
> can grind up there ...
>
> -- Roy --

For folks interest, the reason to use 7025 is so the folks who are advanced and below can join in by tweeking their rocks up about 400hz. 7025 is a good generic spot that is not too crowded and the pipsqueek boatanchors can fit in there and be heard. Also the noise from digital electronics is not too bad there either (not many birdies or much fone qrm).

So, dust off that rock collection and pick out a suitable rock to hit nearun unto 7025 and methinks we may haves some winners, fer sures. Grinding up a few kcs should nary be much trouble.

ZUT/73/Bob/NA4G

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: howellh@acad.winthrop.edu
Subject: RTTY
Message-ID: <95072703014998@acad.winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message
Date: 27-Jul-1995 02:50am EDT
From: Haney Howell
HOWELLH
Dept: Mass Communication
Tel No: 323-4534

TO: Remote Addressee (_smtp%"boatanchors@theporch.com")

Subject: RTTY

The Model 28 in my bedroom...

I was the reporter/bureau chief for CBS News in Saigon during the last years of the war. The power-that-be in NYC decided that since no US troops were there that the war was over and started cutting back on the operation. Thus, one of the 28s was moved to my apartment and installed in the bedroom.

We had a quarter-speed leaseline hookup that linked via HF to a station in Manila. If you think 60 is slow, wait until one of those puppys cranks off at two in the morning and clanks out one letter every couple of seconds!

The logic (?) was that I could receive messages day or night. The reality was that all the routine, daytime stuff from NYC clanked into my bedroom at 3:00 a.m. in Saigon. Since mine was a drop from the one in the bureau, I kept it "temporarily out of order" most of the time.

In the final days, I'm paying a final visit to my apartment, hoping that the movers pack more than they steal. In the corner was the HW-101 I'd built during the idle hours and the Model 28. The Hotwater made it into the shipping, but I told them to leave the 28. Glad I did. Nearly a year later my personal effects were found in Manila and sent stateside. They'd basically thrown everything into a shipping crate and pushed it onto one of the last ships out. I'm sure that beast would have wiped out every glass item in the box!

Still, I cast glances at the machines when they pop up, usually at Shelby. However, don't think the XYL wants one in the bedroom...

Haney/N02N howellh@winthrop.edu

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: ac082@freenet.carleton.ca (Charles Hunter)
Subject: Re: RTTY model 15's
Message-ID: <199507270649.CAA15331@freenet3.carleton.ca>

I never saw a 15 with a gear shift. There were gears available to

change speed to 66, 75, or 100wpm. These came in sets of two and required changing a metal gear on the motor and a fibre gear on the main shaft. The model 28's were available with a three speed gearshift.

At 100wpm the poor 15 was literally vibrating itself to destruction and didn't hold up. I found that when Canadian Press upgraded their radio wire (known as Broadcast News) to 66wpm, the poor techs were hard pressed with 15 repairs.

The model 15 was also available with an extra level (usually 5 level Baudot) and was used for the newspaper wire. The extra level allowed caps and small letters to be transmitted. I can't remember the model number but repairs were also more frequent.

73's
Charlie

Robert2039@AOL.com wrote:

>My 15 came from a now deceased deaf person that was using it for tty phone
>use too. I wonder if there was a speed change kit for the gears so I could go
>from 60 to 100 wpm by pulling a lever or something? I use mine to copy a lot
>of RTTY from shortwave and sometimes I can't copy the traffic at all. I'm
>assuming some stations are using a higher speed instead of some sort of
>encryption. Am I right? BTW love the sound of that thing while it's
>running!!!

>
>
>
>
>

--

ac082@freenet.carleton.ca (Charles Hunter)

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: rdkeys@unity.ncsu.edu
Subject: Seiler's Oscillator - 1941
Message-ID: <199507272243.SAA11527@cc01du.unity.ncsu.edu>

I was looking through my trusty dusty QST's last night and found a neat ECO design by E.O. Seiler/W8PK. It is a modified Colpitts design in which the Colpitts capacitive feedback tap on the grid tank coil is decoupled further by adding a series 100pf variable between the grid and feedback capacitive divider network and the top of the grid tank coil. The thing had a cold start drift of only 500 hz and with power supply voltage variations from 170 to 225 volts had a dynamic instability of only 50 hz. Not too shabby for a 1941 eco

design at 80 meters using a 6F6G tube as the oscillator and a 6F6G tube as the final, with an unregulated power supply.

For the sake of discussion, I wonder if the tank could be replaced by a series tuned tank rather than a parallel tuned tank, to further decouple the variable tuning capacitor to ground. Electronically, I don't see anything that would make the thing not work that way. Sounds like a genuine Boatanchorman's u-build-it experiment waiting to be whipped up on the ol' breadboard.....(:+{}.....

Also, in the ads section was an ad for me treasured first receiver, the ol' dusty rusty Howard 435-A with ``7'' real tubes and a built in speaker..... memories..... of nights around the table at the tender age of 7.

73/Bob/NA4G

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: HAMRLUND@aol.com
Subject: SK: Wanye cordell of Blue Ridge Communication
Message-ID: <950727152758_124373673@aol.com>

Please forgive me on my previous posting, I misspelled Wayne's name. At the time I had just learned of his passing, and it was all I could do to see the keyboard.

Wayne worked for Hammarlund in the following positions;

August 1957 to June 1959 as Test Department Tester, duties: aligning and testing various production equipment.

June 1959 to June 1962 as Test Department Lead Technician, duties: Testing and aligning various electronic equipment, and assisting less technical personnel & trouble shooting.

June 1962 to June 1963 as Test Department Supervisor, duties: Supervision of approximately 20 technical and non-technical personnel involved in the alignment & final testing of all production equipment.

January 1964 to October 1964 as Quality Control Lab Technician, duties: All phases of quality control on Hammarlund equipment which included investigation and recommended cures for various production problems. Rewrote complete test and quality control procedures for all products.

October 1964 to March 1965 as Chief Technician, Communications Engineering Department, duties: Coordination of Writing and checking technical aspects of all engineering change notices and temporary factory changes. Checking and

approving of vendor sample componets.

Additional accomplishments while in this position- Designed and wrote the CB-212 Citizens Bank service/operations manual.

March 1965 to November 1966 as Manager Customer Service, duties: Supervision and assistance of personnel repairing customer returned equipment. Customer Relations- responsible for answering all correspondence and phone inquires from customer involving complaints & requests for technical assistance. Set up and maintenance of order processing & billing on spare parts orders. Additional accomplishments while in this position- Designed and wrote a Shortwave Listening Guide for Hammarlund customers was still in use by the company as of 1968.

November 1966 to November 1967 as Sales Administrator.

November 1967 to November 1968 as Executive Sales Administrator/Supervisor.

November 1968 to closing as Administrative Sales Manager, duties & Responsibilities: Supervision of all administrative and customer service functions. Liaison/factory contact for all distributors, government agencies, OEM's, representatives and correspondents.

All factory direct sales and service including export.

Factory production orders. Sales projection & forecasts. Monthly profit and loss statement. Daily order intake and shipment report. Processing orders & quotations. order backlog.

Company representative at variou exhibitions, community & civic organizations.

Personnel under diresct supervision- Customer Service Dept. . Customer Service Manager and two technicians.

Adminstrative Sales Dept.. Two Sales Administrators and four secretaries/clerks.

Additional accomplishments while in this position-

Demonstration of electronic garage door opener at 1970 Ashville NC, Home Show in City Auditorium.

Demonstration of portable handheld radio equipment at East Carolina

University in Greenville, NC resulting in direct sale totaling \$4000.00

Demonstration of Hammarlund Amateur radio equipment at special exhibition in the Mall Tunnel Road Shopping Center.

Sales presentation of portable AM/FM radio to vice president of a large NC bank, resulting in a sale of approximately 100 units.

Responsible for establishment of distributor in New York City resulting in \$50000.00annual sales.

Contact & subsequent follow-up with surplus dealer resulting in sale of \$20000.00 worth of distressed obsolete inventory.

END:

This was the career of A. Wayne Cordell at Hammarlund.

The world has truly lost a Great asset to the hobby.

A. Wayne Cordell

Aug. 27, 1939 to 1995

Rest in Peace my friend.

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995

From: haynes@cats.ucsc.edu (Jim Haynes)

Subject: Sorta Re: Free RTTY gear

Message-ID: <199507271801.LAA15708@hobbes.UCSC.EDU>

For all those who miss the old stuff, and haven't heard about this yet, on Feb 20 we will celebrate Green Key Night in commemoration of the legalization of FSK RTTY on the HF bands and in memory of the RTTY pioneers. It's not a contest, and there are no rules; but use mechanical TTY gear if you can, use 850 cycle shift if you can, use vacuum tube gear if you can, wallow in nostalgia, and have fun. If we were keeping score there would be a multiplier for operating on 20 meters or above with a Super Pro receiver and a frequency multiplying transmitter. (Come to think of it, the multiplier should be equal to the number of times the VFO is multiplied to reach the operating frequency.)

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995

From: Rolf.Jansson@stax.slu.se (Rolf Jansson)

Subject: SSB-unit for R-390a

Message-ID: <9507271407.AA01348@nana.slu.se>

Hi folks just wondering, are there any SSB-unit made for my R-390A ???!

Regards Rolf

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995

From: ejz@nosc.mil (Edward J. Zeranski)

Subject: Re: SSB-unit for R-390a

Message-ID: <9507271417.AA09280@manta.nosc.mil>

>Hi folks just wondering, are there any SSB-unit made for my R-390A ???!

>Regards Rolf

>

>The CV 591 is an SSB converter for the R390A. I have the tech manual but no converter yet, still looking.

>

Edward J Zeranski NRaD code 841 ejz@marlin.nosc.mil
619 553-2640
DSN 553-2640
FAX 553-1394
STU-III 2640

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: Starting a tube data archive
Message-ID: <806861234.1583592@AppleLink.Apple.COM>

Greetings -

I have a copy of the 1962 RCA Transmitting Tube Handbook that I am planning on having re-bound. (It's split into two parts and the cover is falling off.) I also have a copy of the 1954 RCA Receiving tube handbook which is in very good condition that I'm also considering re-binding.

Since the pages will be unbound at some point in the process, I was thinking of shooting one master copy of each book, which would be kept loose leaf, and scanning selected pages into HTML format file that I'd make available to the group's server/archinve.

Outside of the usual 6JB6, 6KD6, 5U4, 12AX7 and 4-250/500 I'm at a loss as to which tubes to include, so I'm asking the group to help me compile a list.

I suggest we keep the dialog on this in the open and under one thread title. I'll start the list seperately from this posting, under the heading of "Tube List". You chip in by adding in tubes in alpha/numeric order, so I'll end up with just one list that everyone has looked at and contributed to. This will also cut down on me having to edit and compile multiple replies.

SO, start posting your requests for inclusion and I'll get to work with the scanner and copy machine.

-df

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: linscot@is.rice.edu (Steve Linscott)

Subject: Re: Starting a tube data archive
Message-ID: <199507271857.NAA04744@is.rice.edu>

Dexter Francis sez:

>Greetings -

>

>I have a copy of the 1962 RCA Transmitting Tube Handbook that I am planning on
>having re-bound. (It's split into two parts and the cover is falling off.)

>I also have a copy of the 1954 RCA Receiving tube handbook which is in very
>good condition that I'm also considering re-binding.

>

>Since the pages will be unbound at some point in the process, I was thinking of
>shooting one master copy of each book, which would be kept loose leaf, and
>scanning selected pages into HTML format file that I'd make available to
>the group's server/archinve.

I have the 6 volume set of the RCA Tube Handbook HB-3. (Physics dept.
was THROWING THEM AWAY!) The sections are:

General

Cathode-Ray tubes, Storage Tubes, & Monoscopes (?)

Photosensitive Devices

Thyratrons, Ignitrons, & Glow-Discharge Tubes

Receiving-Type Industrial Tubes

Receiving Tubes -- Part 1

Receiving Tubes -- Part 2

Transmitting Tubes

Dates on pages start in the mid 50's, and the latest updates I've
found are '65. The handbook is in small loose-leaf binders, and I will be
happy to copy pages for anyone who needs data on those tubes that aren't in
the standard tube manuals, but I don't have the time to scan them all in!

73 de W5EGP

- Steve -

* Steve Linscott Divisional Consultant - Natural Sciences *
* IS User Services Rice University Houston, Texas *

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: Kevin Anderson <anderson@ncrsun1.ncrsun1.ncr.usace.army.mil>
Subject: Starting out (was recieving tube xmitters)
Message-ID: <Pine.SUN.3.91.950727121850.15530C-100000@ncrsun1>

On Thu, 27 Jul 1995, Greg Weinfurtner wrote:

> I'll bet a lot of us on the boatanchor list started ham-life with
> this type of transmitter. (I had a 6DQ6 on 3.72mhz as a nervous novice
> with a NC-98 National receiver) It is amazing what a little tube and a few
> parts will do!

I hear tell many hams started their hobby life with such
xmtrs. I can't claim exactly the same (I'm rocking and
banging with my HW-16 on xtals), and that is certainly not how
most of today's hams are starting. I've QSO'd with enough
new hams, old and young, who seem to have a Yaecomwood of
fairly recent vintage. (I highlight in my log those QSOs
with boatanchor equipment - not much highlight yet - although
I've had contacts with at least two people now with homebrewed
tube xmtrs!). How they can afford to start that way is beyond
me. Even the number starting out on used tube final rigs is a
very small number indeed from what I can see from my QSOs.

Even members of the QRP list (which I subscribe to) who I
consider in high esteem are not recommending that people there
start out ham life with a QRP rig, even a modern one. I can
see their point about not wanting people to get discouraged
before they even have experience making contacts. (How many
hams in years past have been discouraged in this regard,
I wonder...)

So the number of hams who will have experienced such HB rigs,
let alone start out with them, will be a small number indeed
in a few years, if not already. Part of this is a lack of
patience. Part of it is disposable income. Part of it is
sales pressure (I personally am not happy with today's consumer
society). I don't know. Enuf wondering thoughts.

Cheers/73. Kevin, kb9iua

Kevin L. Anderson, CENCR-PD-W, U.S. Army Corps of Engineers
Rock Island District Office, Planning Div.-Waterway Systems
Rock Island, Illinois 61204-2004, USA phone:(309) 794-5586
e-mail: anderson@ncrsun1.ncr.usace.army.mil

Opinions expressed here are my own and do not represent the

U.S. Army Corps of Engineers or the Federal Government.

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: AviDov@aol.com
Subject: subscribe
Message-ID: <950727185708_124529496@aol.com>

military electronic surplus

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: haynes@cats.ucsc.edu (Jim Haynes)
Subject: Teleprinter makes and models
Message-ID: <199507272028.NAA15859@hobbes.UCSC.EDU>

Golly, about all I've heard of up to now have been Teletype and an occasional Kleinschmidt. Now we've heard from two guys who have, or did have, MITE machines, which I've read about but never laid eyes on. What else is out there? Anybody got a Creed? a Lorenz? I've got a Siemens somewhere in the back of the garage. How about Extel? (Extel is a company formed by ex-Teletype people, hence the name. I believe they made a dot-matrix machine in late 60s and sold a lot to the press wire services.) Then there are a couple of teleprinters in the current Fair Radio catalog. I looked them up in Jane's and they were by a couple of manufacturers I hadn't heard of. Let's see - there's the TI machines that do thermal dot matrix printing. I saw a Motorola high-speed machine once; it did dot matrix printing on Teledeltos paper. Anybody got a Hellschreiber?

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)
Subject: TUBE LIST
Message-ID: <806861234.1979804@AppleLink.Apple.COM>

This file is a listing of tube types to include in the Tube Data Archive

(Insert your submissions in alpha/numeric order below this line)

5U4

6JB6

6KD6

6V6

12AX7

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>
Subject: Tube tester
Message-ID: <9507271511.aa09428@FSAC3.PICA.ARMY.MIL>

What we need is a Pentium based tube tester...it would show
characteristic curves as well as gm, leakage, etc

Pulg them 807's into the top of your PC

Plug

wa2unn

From boatanchors@theporch.com Thu Jul 27 16:04:00 1995
From: Nick England <nick@cs.unc.edu>
Subject: re: Tube tester
Message-ID: <199507271931.PAA07202@altair.cs.unc.edu>

Clark sez we need a Pentium based tube tester. I think I found one.
Picked up an "Audio" mag yesterday and there it is - a small signal
tube tester for your 12AT7's, etc. for a mere \$675.00.
Just the ticket - let's see I figure a "large-signal" tester ought to
go for \$2495.00 easy.

Nick KD4CPL

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: steve@hi.com (Steve Byan)
Subject: Re: Tube tester
Message-ID: <v02110102ac3d989e8be4@[140.243.30.128]>

>What we need is a Pentium based tube tester...it would show
>characteristic curves as well as gm, leakage, etc

Just interface an old Berkeley/Beckman tube A/D and D/A to the PCI bus, and
we'll do the rest in software :-)

Steve Byan
Hitachi Computer Products (America), Inc.
1601 Trapelo Road
Waltham, MA 02154

internet: steve@hi.com
phone: (617) 890-0444
FAX: (617) 890-4998

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: jmartin@hrlban1.aircrew.asu.edu
Subject: Ultimate tube tester
Message-ID: <SA39+sT+4ka@hrlban1.alhra.af.mil>

Ref:

>>What we need is a Pentium based tube tester...it would show
>>characteristic curves as well as gm, leakage, etc.

=====
Seriously, I would be interested in construction of such a tester, but personally I'd rather steer clear of software driven testing. I have an old Hewlett-Packard analog X-Y recorder I picked up surplus for a song (the kind where a sheet of paper is held on the platter with a static charge, and the pen translates back and forth on moving beams) which would be ideal for such plots, and hope to design and build the test interface circuitry someday. Dial in any B+ and grid bias desired (driven by ramp and staircase generators), and viola! - instant curves on almost any tube imaginable. Well, maybe not quite that easy, but it sounds like something both useful and fun. Anyone have thoughts on this (or has someone already done it)? Did any of the commercial tube curve tracers have outputs to drive X-Y recorders?

73, John Martin

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Michael.J.Knudsen@att.com
Subject: Re: used equipment list
Message-ID: <9507261622.AA08065@bock.ih.att.com>

I like the auto-matchmaker idea. If done right, it could offload a lot of work from volunteers.

It would have to have commands and formats for
 Add wanted or forsale
 Delete the above, or modify (overwrite)
 Search for given keywords (Hammarlund, dual-conversion, etc)
 Send ACK or NACK on all the above (NACK for when you screwed up the format)
 Send current list (subject to Search keywords above)

73, mike k

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Deane D McIntyre" <dmcintyr@ds1.acs.ucalgary.ca>
Subject: Re: used equipment list
Message-ID: <9507270433.AA17531@ds1.acs.ucalgary.ca>

Gang:

While making a copy of a Heath IT-11 cap checker manual for a list member tonight, I was thinking about the used equipment wanted/for sale list. This is a great idea. As well as equipment, should we not also include manuals available (as photocopies as well as originals) and wanted?

73, Deane D McIntyre VE6BP0
dmcintyr@acs.ucalgary.ca

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: "Tony Stalls (K4KY0)" <j38@clark.net>
Subject: Re: used equipment list
Message-ID: <Pine.SOL.3.91.950726234236.20678G-100000@clark.net>

On Wed, 26 Jul 1995 Michael.J.Knudsen@att.com wrote:

> I like the auto-matchmaker idea.

^^^^^^^^^^

This is the OLGA thing again. Right???

(Sorry gang... As you know, sometimes I can't resist.)

73,
Tony
K4KY0

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: pbock@melpar.esys.com (Paul H. Bock)
Subject: Re: VOR
Message-ID: <9507271608.AA23400@syseng1.se.melpar.esys.com>

>The VOR (VHF Omnirange Radio) now occupies the 108-118 Mhz band.

Small correction: VOR stands for "VHF Omnidirectional Range." In the '50s and '60s it was nicknamed "Omnirange" before

adoption of the acronym "VOR," which is how it is referred to today.

73,

Paul, K4MSG

(|_|) Paul H. Bock, Jr. K4MSG Internet: pbock@melpar.esys.com
| |) Principal Systems Engineer Telephone: (703) 560-5000 x2062

"You can have my bug when you can pry my cold, dead fingers from around it....." - anonymous radiotelegraph operator

From boatanchors@theporch.com Thu Jul 27 15:57:00 1995
From: HAMRLUND@aol.com
Subject: WANYNE CORDELL/ Blue Ridge SK
Message-ID: <950727104621_124176933@aol.com>

Wanyne passed away last week.

He was a very close friend and was a former Hammarlund employee. I purchased all he had left in Hammarlund parst ect. a year ago in march, and had just been down there in the first week in june to visit and pick up some other things from a few other people.

This was a drowning accident while out fishing which he loved to do. I'm sorry I can't continue, I'm too messed up now.

Robert

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: wier@bobcat.etsu.edu (Bob Wier)
Subject: Was: RTTY model 15's
Message-ID: <199507271058.AA21377@ns-1.csn.net>

|The model 15 was also available with an extra level (usually 5 level
|Baudot) and was used for the newspaper wire. The extra level allowed
|caps and small letters to be transmitted. I can't remember the model
|number but repairs were also more frequent.

|

|73's

|Charlie

|

|

A 6 level code? I'd never heard of that! I wonder was that the

same as BCD (which was the pre-cursor of EBCDIC?) When I took my first computer class (mid-late 60's - Fortran II!), we had some IBM keypunch machines (024?) which did BCD which I THINK was used either on a Honeywell or Control Data machine (it's very hazy). Shortly thereafter the 024s were replaced with 026 EBCDIC punches. For some reason, the school's 024 machines did not have a printing mechanism, so you got good at reading the holes! Kind of like learning CW in some ways :-). I might be wrong on the 026s - they may have been ASCII rather than EBCDIC - can't remember. The styling difference was striking - the 024's had kind of a rounded, east - european massive iron look whereas the 026's were much more angular, plastic sort of looking in the "modern" sense. When you referred to the keypunch series, it was always in three digits as in oh-two-four; never as just 24...just had a thought - maybe the BCD machine were an earlier number and the 024s/026s were EBCDIC/ASCII variaents. Too many brain cells lost to old age at this point, I guess.

Talk about boat anchors! Students in my classes now have never seen a keypunch and only a few have seen a standard 80 col data card. THAT makes it hard to explain why in a very few programming languages these days you still see column sensitive formatting... I have a couple of punch bins still to explain the origin of the term "bit bucket" :-). Sometimes when the class gets boring, I'll pull a drum cylinder out of my brief case and have a contest to see who can name what it is, and what it was used for. As far as I know the 024s and 026s were purely mechanical devices and didn't have anything in the way of amplifiers - just relays. Then there were the IBM 407 accounting machines - not just a boat anchor, it was an aircraft carrier anchor - I had a friend who actually had a 3 credit hour course in plug-board programming, but that's a different story...

THANKS & 73s de WB5KXH

===== Round Up the Usual Disclaimers! =====
Bob Wier, keeper of the Photo-3D, Icom radio (WB5KXH),
Overland Trails, and Motorola HC11 mailing lists
wier@bobcat.etsu.edu

currently in Ouray, Co at 8,000 ft. elevation

(this is a *high level* system :-)

From boatanchors@theporch.com Thu Jul 27 10:43:00 1995
From: Dave Creek <dcreek@pixi.com>
Subject: Re: Was: RTTY model 15's
Message-ID: <Pine.PCW.3.91.950727032530.8335B-1000000@godzilla22.pixi.com>

On Thu, 27 Jul 1995, Bob Wier wrote:

> |The model 15 was also available with an extra level (usually 5 level
> |Baudot) and was used for the newspaper wire. The extra level allowed
> |caps and small letters to be transmitted. I can't remember the model
> |number but repairs were also more frequent.
> |
> |73's
> |Charlie

> A 6 level code? I'd never heard of that!

These were probably set up for the six level Teletypeset code. This was transmitted by the wire services and gave page copy on the Mod 15 and a punched paper tape that was fed to Lynotype machines. The extra bit allowed for the various typesetting functions such as thin space, M space, quad space, etc. used for justifying a line of type.

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> same as BCD (which was the pre-cursor of EBCDIC?) When I took my
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> learning CW in some ways :-) I might be wrong on the 026s - they
> may have been ASCII rather than EBCDIC - can't remember.

Tho 024's and 026's were both Hollerith code. The main difference was the printing mechanism and the age.

Dave Creek, NH6BA
Ewa Beach, HI
dcreek@pixi.com

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: dan.poorman@lsj.com (Dan Poorman)
Subject: Was: RTTY model 15's
Message-ID: <9507271934084887@lsj.com>

->
-> |The model 15 was also available with an extra level (usually 5 level
-> |Baudot) and was used for the newspaper wire. The extra level allowed
-> |caps and small letters to be transmitted.

We had 6 of them when I came to work at the State Journal. I think they were Model 20's .
And they were "6" level to give us upper and lower case. We used 5 inch wide paper in them as everything was sent as a column. Also used 75 WPM gears in them as I remember.

The Ap tech never "repaired" them when we had a problem. He would go through a complete setup from point a to point z replacing parts if need be, but mainly adjusting.

This whole procedure took about 1.5 hours and he had EVERYTHING stripped out and put back together. It always worked when he got finished.

He said they found it more efficient to simply do the setup than try to troubleshoot since they would not only fix the problem but would also fix any pending problems as well --- automatically.

With a couple of 15's a few 14s and a 28 in my basement, I always made it a point to buy the buy coffee etc.

Also, if anyone reads this, please email me at DAN.POORMAN@LSJ.COM
I am convinced my replies are not making it to the list.

From boatanchors@theporch.com Thu Jul 27 22:43:00 1995
From: wlfuqu00@service1.uky.edu (Bill Fuqua)
Subject: WTB HG-10B VFO
Message-ID: <199507272038.QAA20875@service1.uky.edu>

Need another HG-10B VFO to build a second novice station. I'm trying to get a few simple novice cw rigs together to loan beginning hams , mostly kids, to get them started before they loose interest.